CONSTRUCTION NEWS

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RAILWAYS.

(*Denotes that this work is advertised in Engineering News.)

New York.—Buffalo, Rochester & Eastern R. R.—On Aug. 12, for the second time the Public Service Commission, Second District, denied the application of the Buffalo, Rochester & Eastern R. R. Co. for a certificate of public convenience and a necessity, and for permission to construct a steam railroad across the state between Buffalo and Troy. The decision was by the unanimous vote of the Commission.

Pennsylvania.—Manatawny R. R. Co. —This company has been organized to build an 8-mile line between Douglasville and Spangsville, Berks county. Milton J. Person, Bethlehem, is Pres.

Maryland.—Western Maryland Ry. Co.—President Alexander Robertson, of the Western Maryland Railway Co., states that the company would spend between $6,000,000 and $7,000,000 in the construction and equipment of terminals in Baltimore. This large expenditure, he said, would be necessary to provide means for the handling of the increased traffic which the road will gain through its connection with the New York Central system. This money will be spent in providing modern yards at Port Covington and Hillen Station.

Maryland, Baltimore & Virginia R. R.—Baltimore, Md.—This company has been authorized by the Public Service Commission of Maryland, Builders' Exchange Bldg., to build its proposed line from Millersville, Md., to Drum Point, Md. L. M. Sturgis, Gaither Bldg., Baltimore, Md., and others are interested. Noted Aug. 9.

Virginia.—Norfolk & Western Ry.—It is reported that this company contemplates an extension from Norfolk to Virginia Beach, about 17 miles. C. S. Churchhill, Roanoke, Va., is Ch. Engr.

West Virginia.—Cleat Haven & Bruceton R. R.—This company incorporated last week proposes to build a railway from Cleat Haven, Pa., to Albright, W. Va. The incorporators are: Gilmore S. Hamil, Sr., Gilmore S. Hamil, Jr., Stuart F. Hamil and Scott T. Jones of Oakland, Md. and Frank Cunningham of Somerset, Pa.

Florida.—Atlantic Coast Line.—Press advices state that this company contemplates building a connecting link from Monticello to Perry about 30 miles. This would provide a shorter route to Tampa. E. M. Pleasants, Wilmington, N. C., is Ch. Engr.

Wisconsin.—Chicago & Northwestern R. R. — The Wisconsin Railway Commission has ordered this company to abolish its present grade crossing on National Ave. in the city of West Allis, Wis., and to construct a new highway and subway according to plans approved by the commission.

Wisconsin.—Wisconsin & Northern R. R. — This company has applied to the Railway Commission of Wisconsin for a certificate of convenience and necessity permitting an extension of its main line from Shawano, Wis., to Menasha, Wis., via Appleton, Wis. The company now owns and operates a total of 66.7 miles of standard gage railroad from Crandon to North Crandon and from Shawano to Van Ostrand, Wis. C. H. Hartley, Oshkosh, Wis., is Genl. Mgr. W. Cambria, is Chief Engr.

✚Oklahoma.—Missouri, Oklahoma & Gulf Ry.—A contract has been awarded to the HOFFMAN CONTRACTING CO., St. Louis, Mo., for the construction of a 100-mile extension from Henryetta to Oklahoma City. Noted Aug. 3.

✚Oklahoma.—Wichita Falls & Northwestern Ry.—The contract for the construction of the first nine miles north of the South Canadian River has been awarded to WALTER H. DENNISON, Lubbock, Tex. This involves about 900,000 cu. yds. of grading.

New Mexico.—Taos, Sierra Nevada & San Francisco R. R.—A company has been formed to build a line through Santa Fe and Taos counties, in N. Mex., which may later be extended to the coast. H. S. Annamaker is Pres. and W. P. Holliday, Ch. Engr., with offices at Taos, N. Mex.

Oregon.—Southern Pacific Co.—Later advices are to the effect that the line from Eugene to Coos Bay will be built over a different route than that stated in the issue of Aug. 10. The line as now projected will be built in an easterly direction from Eugene crossing, the Coast Range Mountains and following the Siuslaw River to a point near the coast. This portion of the line will be exceptionally heavy. From the mouth of the Siuslaw River the railway will run nearly due south to Marshfield where it will connect with the Coos Bay, Rosenburg & Eastern R. R., controlled by the Southern Pacific Co. The road will be about 130 miles long and the cost is estimated at $8,000,000.

A company known as the Willamette Pacific R. R. Co., has been incorporated to build the road. The officers are G. X. Wendling, San Francisco, Cal.; S. O. Johnson, San Francisco, Vice-Pres. C. R. Breck, Eugene, Ore., Ch. Eng.

Nova Scotia.—Intercolonial Ry.—Bids will be received until Sept. 15, by L. K. Jones, Sec. Dept. Railways and Canals, Ottawa, for the construction of a branch line from Guysborough to Sunny Brae, through County Harbour Crossroads, with an extension from County Harbor Crossroads to Deep Water of Country Harbor, and plans for the construction of a branch line from Dartmouth to Deans. Plans, specifications and form of contract can be seen at office of Chief Engineer's Department, at Ottawa, or Chief Engineer's Intercolonial Ry. at Moncton, N. B., and Board of Trade, Halifax. Forms of proposal may be procured from Chief Engineer at Moncton, or Chief Engineer's Department, Ottawa.

✚Ontario.—Canadian Northern Ry.—A contract has been awarded to R. A. GNOUARD, Smith's Falls, Ont., to construct the nine mile section from Smith's Falls to Otter Lake.

Manitoba.—Canadian Pacific Ry.—A branch from Boissevan to Lauder, 40 miles, is contemplated and also one from Virden to McAuley, 30 miles. The Board of Railway Commissioners has approved the location plans of a branch from Hamiota to Birtle, about 33 miles.

Saskatchewan.—Canadian Pacific Ry. —This company is planning to make several extensions of its branch lines or build new lines into the United States. These will act as feeders to the main line, although a belt connection with its subsidiary line in the United States, the Minneapolis, St. Paul & Sault Ste. Marie, is planned. The definite plans will not be announced until more is known regarding the Reciprocity Bill.

✚Saskatchewan.—Hudson Bay Ry.—The Dominion government has awarded to J. D. McARTHUR, Winnipeg, Man., for a sum slightly less than $3,000,000 the contract for the construction of the first section from The Pas to Thicket Portage, a distance of 135 miles. Work will start at once, and contracts for the balance of the lines will be awarded next year.

✚British Columbia.—Canadian Pacific Ry.—A contract has been awarded to PALMER BROS. & HENNING, Vancouver, B. C., to build a railway known as the Cowichan Lake branch from Duncans to Cowichan Lake about 18 miles.

A contract has also been awarded to W. P. TIERNEY, Nelson, B. C., to build a branch from Three Forks to Lucky Jim Mine.

ELECTRIC RAILWAYS.

(*✚Denotes a contract awarded.*)

✚Roslindale (Boston post-office), **Mass.**—A contract for building the substation of the Elevated Railroad has been awarded to STONE & WEBSTER. Geo. A. Kimball is Ch. Engr. of Elevated lines.

Attawaugan (Killingly post-office), **Conn.**—The Attawaugan Street Ry. Co. of Killingly, which was chartered by the general assembly of 1909, has organized and elected the following officers: Pres., Elbert L. Darbie; Secy., M. A. Phillips; Treas., Harry E. Back. The charter of this company permits it to build a trolley line from any of three points on the New Haven road's Worcester and Norwich line, at Dayville, Alexander Lake or Attawaugan crossing, through Attawaugan, Ballouville and Pineville to Daniel's factory, in the town of Killingly. It is expected that the road will be built next year.

Corning, N. Y.—The Penn Yan, Kenka Park & Branchport Ry. Co. is planning to build an 8-mile extension from the present terminus at Branchport. W. H. Tylee, 141 Milk St., Boston, Mass., is Pres. and Gen. Mgr.

Cambridge Springs, Pa.—The Erie Traction Co. has been granted a franchise to build its tracks on Railroad St. from Grant St. to the borough limits. C. M. Hatch, Erie, is Gen. Mgr.

Middletown, Pa.—The Middletown & Elizabethtown St. Ry. Co. has been granted a franchise to build a railway here.

North East, Pa.—The Buffalo & Lake Erie Traction Co. is contemplating rebuilding about twelve miles of its line from North East to Erie. C. A. Alderman, 50 Clinton St., Buffalo, N. Y., is Ch. Engr.

Sharon, Pa.—The Mahoning & Shenango Valley Ry. & Light Co., New Castle, is planning to improve and extend its tracks in and around Sharon.

Beaver, Pa.—A charter has been granted to the Beaver & New Castle Street Ry. Co. to build a 9-mile railway in Beaver and Lawrence Counties.

Huntington, W. Va.—Final negotiations have been concluded whereby the American Rys. Co., of New York, holding large street railway interests throughout the United States, took over the Ohio Valley Electric Ry. Co. A sum of $500,000 has been set aside by the new owners for improvements, the first of which will be double-tracking from Huntington to Kellog, about six miles.

Morgantown, W. Va.—The Mount Morris-Morgantown Traction Co., will receive bids for the construction of a line between Mount Morris and Morgantown. Most of the right-of-way has been secured.

Parkersburg, W. Va.—The Kanawha-Ohio Valley Trade Promoting Co., Parkersburg, is reported incorporated to build a railway from Parkersburg to Ripley, over which gasoline cars will be used. Other lines will be constructed from Ripley to Charleston. with branch lines to Millwood and through the valley to Pocotalico; from Cicerone to Spencer; also, a line from Blennerhasset Island to Vienna Island. Albert E. Boone, Zanesville, Ohio, is reported interested.

✚Sisterville, W. Va.—The Tyler Traction Co. has awarded a contract for a line from Sistersville to Middlebourne, to BOARD & REED, Charleston, W. Va., the lowest of six bidders.

Columbia, S. C.—It is reported that the $7,500,000 bond issue of the Augusta-Aiken Ry. & Electric Corp., will be used to build the Columbia extension making a connection at Columbia with the Seaboard Air Line Ry. and at Augusta with the Georgia & Florida Ry. F. Q. Brown is Pres., and James U. Jackson is Vice-Pres.

Albany, Ga.—The Albany Transit Co., has been incorporated to build the proposed railway through the city and into the suburbs. The incorporators are C. W. Rawson, F. F. Putney, S. B. Brown and others. A franchise has been granted as noted on May 25.

Pensacola, Fla.—The Pensacola Electric Co., will soon build an extension to the new baseball park in the western section of the city, it is stated.

Montgomery, Ala.—The Alabama Traction Co. has been granted a franchise to lay tracks over Court Square and Dexter Ave.

McMinnville, Tenn.—A plan to develop water power on the Holston River near here is being promoted by McDonald Bros., Rodgersville. Power will be used to operate a railway from Rogersville and Hale Springs.

Tiffin, Ohio.—A project to connect Tiffin and Fremont with an interurban line, is being pushed by a party of capitalists headed by Congressman Carl C. Anderson, of Fostoria, ex-Congressman A. H. Jackson, of Fremont, and A. S. Close, of Toledo. A route which was graded some time ago will be followed, about 15 miles. A connection with the Fostoria & Fremont line will be made near Ballville.

Springfield, Ohio.—The Springfield, Wilmington & Cincinnati Ry. Co., for which G. H. Frey, Springfield, is negotiating with several stockholders in New York contemplating the construction of a railway connecting Springfield, Cincinnati, Wilmington and Norwood.

✚Crown Point, Ind.—The Gary & Southern Traction Co., has awarded a contract to the AHLBOM CONSTRUCTION CO., Hammond, to complete the line from Ridge Row to Forty-third Ave. Cars will probably be running between Gary and Crownpoint by Dec. 1. Noted July 20.

Osgood, Ind.—Plans for the construction of a railway from Osgood to Versailles, are nearing completion. Surveys have been made and most of the rights of way secured. J. E. Wayland, Gerard, Kan., and J. L. Phillips, Clinton, Mo., are interested.

Portland, Ind.—The Ft. Wayne & Springfield Traction Co. is reported to be preparing to let contracts for the construction of a railway from Springfield to Portland.

✚East St. Louis, Ill.—The East St. Louis, Columbia & Waterloo Electric Ry. Co. has awarded to the J. A. WARE CONSTRUCTION CO., a contract to grade its line between East St. Louis and Waterloo. GEORGE C. SMITH & SONS was awarded the contract for the bridge and concrete work.

BUSINESS NEWS OF THE WEEK.

The statement of the Copper Producers' Association showed that the July production of copper was 112,000,000 lbs., a decrease of 12,000,000 lbs. compared with June. Domestic deliveries fell off 4,500,000 lbs., but exports to Europe increased 3,500,000 lbs., leaving a stock on hand July 31 of 138,000,000 lbs., a reduction of 20,000,000 lbs. from June, and about 32,000, 00 lbs. compared with a year ago.

The Department of Agriculture, estimating the cereal crops as of Aug. 1, figured a total wheat crop of 664,500,000 bushels, about 31,000,000 bushels less than the actual yield last year; a corn crop of 2,620,000,000 bushels, which is 505,000,000 bushels less than last year, and likewise a marked falling off in oats, barley, rye, potatoes, buckwheat, and hay. The cotton crop will be large. Flaxseed will show a notable increase over the meager crop of last year.

Labor disturbances are prevalent in many widely separated places. The most serious trouble is in Great Britain where the troops have been called out to quell several riots. The dock laborers in London are out and local transportation in Liverpool is tied up. A tramway strike in Glasgow seems in a fair way to be settled but the coal trimmers are striking in Southampton. A general strike on the railways is threatened. The strike fever seems epidemic in Great Britain. In Rotterdam, Holland, the stokers on the harbor tugs have demanded higher wages. The British Columbia coal miners strike has so reduced the available supply of fuel that the Granby mine has closed. The shop men on the Harriman lines threaten to strike unless higher wages are granted. In Brooklyn the street railway strike has spread to another line. In New York the marble workers are striking for higher wages.

Pig-iron production is again falling off; the daily rate in July, 57,841 tons, being the smallest with but two exceptions, since December, 1908. The falling off in foundry iron was marked, but at the same time stocks were heavily reduced. The unfilled orders on the books of the United States Steel Corporation at the end of July were 3,584,000 tons; the largest since Nov. 30, 1910.

The number of idle freight cars was reduced 20,297 in the fortnight ending Aug. 2, and there are now 130,136 idle cars; the smallest number reported so far this year.

The investigation fever is on and it's a poor industry that is not hailed into court. The Postal inquiry is bringing out some facts of value. The Steel investigators have adjourned after going over the growth of the United States Steel Corporation since its organization and finding very little that was not known before.

A severe slump in the price of stocks in Wall St. is more a matter of fact than the result of any known cause.

Springfield, Ill.—The Springfield & Northwestern Interurban Ry. Co., has been organized and proposes to build an electric line from Springfield to Petersburg. Surveys of the new line have already been made and a portion of the right of way obtained. The road will pass through Andrew, Cantrall, Athens, Tice, Old Salem and Petersburg. The following were elected directors: Homer J. Tice, Greenview; R. Y. Kincaid, Athens; E. D. Keys, W. F. Workman, Ralph N. Baker, Frank Reisch, Jr., and S. E. Prather, Springfield.

Hillsboro, Ill.—A survey is being made for an electric line from this city to Talor Springs. The line will be financed by the Hillsboro Electric Light & Power Co.

Eveleth, Minn.—The Range Electric Ry. Co. has received a franchise to lay its tracks over the city streets. This is part of a line contemplated to connect Gilbert, Eveleth and Virginia. Oscar Michell, Duluth, is reported interested.

Mankato, Minn.—The Mankato Electric Traction Co. is considering a plan to extend its line to Wilmar. H. E. Hance is Gen. Mgr.

✚Rochester, Minn.—A contract for the installation of a cluster lighting system on Broadway has been awarded to W. O. HARTIG, Minneapolis, at $8,661.

Kansas City, Mo.—The Metropolitan St. Ry. Co. has been granted a franchise to build a double track over Woodland Ave. from 15th St. A connection will be made with the line on Missouri Ave.

San Antonio, Tex.—A plan is under consideration by the Medina Irrigation Co. to build a railway from San Antonio to its reservoir and down the valley of the Medina River.

Brownsville, Tex.—The city council has granted a street car franchise, covering the principal streets of the city and a franchise for a belt line for freight purposes to the San Benito & Rio Grande Ry. Co. Under the terms of the franchise actual construction is to begin within 30 days. S. A. Robertson is Gen. Mgr. Noted July 27.

Brownsville, Tex.—The St. Louis, Brownsville & Mexico Ry. Co. will construct a motor car line through this city to connect its depot with that of the Rio Grande Ry.

Seattle, Wash.—The Lake Van Buren & Highland Park Electric Ry. Co. has been granted a franchise to build a railway. W. H. Couflin and George Gunther are interested.

Portland, Ore.—The construction of an electric railway branch between East Eightieth St. and the line on Villa Ave., owned by the Mount Hood Ry. Co., connecting the Mount Hood Ry. with the Montaville branch of the Portland Ry. Light & Power Co., is urged by the Montaville Board of Trade and local residents.

Fresno, Cal.—Within 60 days contracts will be let by the Fresno, Coalinga & Monterey R. R. Co., for a new railway system to be in all about 400 miles long. The distance will be shortened between Fresno and Coalinga 45 miles and between Fresno and Monterey 144 miles. The Pres. is T. C. White, Vice-Pres. of the First National Bank of Fresno. Vice-Presidents are E. J. Shaw, Hollister, and Roy Hall of the Fresno Traffic Association. Albert Albrecht, Fresno, is Secy., E. R. Shaw, Fresno, is Gen. Mgr.

San Bernardino, Cal.—The Pacific Light & Power Co., has petitioned the Board of Supervisors for a 50-year franchise for building and maintaining an electric line in San Bernardino county. This apparently is one of the first steps of the power plant project outlined by W. S. Korckhoff, H. E. Huntington and others.

Los Angeles, Cal.—The Pacific Electric Ry. Co. has been granted a franchise to lay tracks over Eighth St., from Fremont St. to Garfield St.

Woodland, Cal.—The Sacramento Valley West Side Electric Ry. Co. has retained the Dozier Construction & Engineering Co. to make surveys and estimates of the proposed line from Woodland to Red Bluff. E. L. Sisson is Secy. of the railway company.

San Diego, Cal.—The San Diego Electric R. R. Co. has been awarded a franchise at $60,000 for street railways covering a period of 42 years and covers all available streets.

Montreal, Que.—The Montreal & Southern Counties Ry. has renewed its application, made last March, for entrance into the city. The line will run from the present terminus at the foot of McGill St., to St. Paul, and along St. Paul to Inspector St. This company is controlled by the Grand Trunk Ry. Charles M. Hays, Montreal, is Pres.

London, Ont.—A proposed railway is to run from Toronto to London, with connections to St. Thomas. Senator A. H. Campbell, Toronto, is reported interested. About $5,000,000 has been subscribed.

St. Marys, Ont.—A. E. Welch, of London, representing the North Midland Electric Ry., announced that financial arrangements have been completed for the construction of the line from London to St. Marys, with branch line to Granton. Construction work will begin this fall, and hydroelectric power will be obtained from the St. Marys' municipal substation.

Ottawa, Ont.—A new company is in process of organization to build and operate an electric railroad between Ottawa and points up the Gatineau River. The intention is to touch all the summer resorts between Ottawa and Farm Point, including Chelsea, Kirk's Ferry, Kingsmere, Cascades and Farm Point, which will probably be the terminus.

LIGHT AND POWER PLANTS.

(_*Denotes that this work is advertised in Engineering News._)

Lee, Mass.—A plan to increase the Lee electric plant and secure power also from the Monument Mills Co., and to furnish light and power for Lee and Lenox is projected. The present plans call for the building of a line 200,000 ft. long, capable of carrying 6,000 volts. C. Wurtzbach and A. S. Uptegraff, of Lee, are reported interested.

New Milford, Conn. — Plans for the construction of a dam are being considered by the Silica Paint Co.

✚Brooklyn, N. Y. — A contract for installing electric equipment in Public School 168, Throop Ave., has been awarded to T. FREDERICK JACKSON, INC., New York, N. Y., at $9,845.

New York, N. Y.—Bids will be received by C. B. J. Snyder, Supt. of School Buildings, Dept. of Education, Park Ave. and 59th St., until 4 p. m., on Aug. 21, for installing electric equipment in Washington Irving High School, on the easterly side of Irving Place, 16th and 17th Sts. Plans and specifications may be obtained at the office of the Superintendent.

New York, N. Y.—See item under Miscellaneous Contracts—Tunnel Street, New York, N. Y.

Syracuse, N. Y.—Bids will be received by W. W. Cheney, Pres., Bd. of Mgrs., of the Syracuse State Institution for Feeble Minded Children, until 2.30 p. m., on Aug. 23, for two new boilers and rearrangement of piping, reconstruction of electric wiring. F. B. Ware is State Arch.

Bloomfield, N. J.—Runyon & Carey, Engrs., of Newark, recommend the construction of a municipal street lighting plan

✚Union, N. J.—A contract for installing electric lights in Union Township has been awarded to the PUBLIC SERVICE ELECTRIC LIGHT CO., by the Lighting Commission. Ninety lights will be placed in various streets.

✚Wilkes-Barre, Pa.—A contract for furnishing the new electric engine, generator, switchboard and other appliances was awarded to E. F. ROTH of this city, at $6,956.

✚Meadville, Pa. — The Northwestern Pennsylvania Ry. Co. has awarded contracts for three generators, two for the power plant in Meadville and one for the Harmonsburg substation, at $15,500, to the GENERAL ELECTRIC CO., Schenectady, N. Y. It is proposed to install new motors in the present cars and make other improvements to the service.

Washington, D. C.—Bids will be received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until Sept. 15 for mechanical equipment, excepting elevators and mail handling apparatus, including plumbing, gas fitting, boiler plant, heating and ventilating system, conduit and wiring system, vacuum cleaning system and induced raft system for the United States post-office building, Washington, D. C. Plans and specifications may be secured at the office of the Supervising Architect or at the office of D. H. Burnham & Co., Archs., Chicago, Ill.

Bids will be received at the office of James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until Sept. 15, for the installation of an electric elevator plant in the U. S. post-office at Washington, D. C. Plans and specifications may be obtained at the office of the Supervising Architect or at the office of D. H. Burnham & Co., Archs., Chicago.

✚A contract has been awarded for furnishing eight 5,000-lb. and four 10,000-lb. electric motor trucks for the Bureau of Yards and Docks, Navy Department, Washington, D. C., to the GENERAL VEHICLE CO., Long Island City, L. I., at $49,000.

Kenova, W. Va.—The Ohio Valley Electric Ry. Co. will build an addition to its power house. James Fagan, Huntington, is Ch. Engr.

Charleston, S. C.—The Charleston Consolidated Ry. & Light Co. has decided to install in its new power house three 1000-KW. turbo-generators.

✚Enoree, S. C.—The Enoree Mfg. Co., Enoree, has awarded a contract to the IRWIN ELECTRIC CO., Spartanburg, S. C., for the installation of a 100-KW. electric plant, to be operated by water power. Alternating current system will be used.

Augusta, Ga.—Arrangements are being made for the construction of the proposed dam to be built by The Twin City Power Co., to be located about 20 miles above Augusta, on the Savannah River. It is planned to develop 100,000 HP. and nearly $1,000,000 will be required to get the plant in operation. New York capital is interested.

Rome, Ga. — A charter has been granted the Georgia Power Co., Gainsville, Tenn., and is preparing, it is stated, to extend its lines from Rome to Chattanooga, Tenn. H. P. Broughton, J. E. M. Ellet, L. M. Coleman and others are incorporators.

Jacksonville, Fla.—Bids will be received by the Bd. of Bond Trus. until Sept. 4 for removing certain machinery from the old electric light plant to the new power station now being constructed near Tallegrand, and for building the superstructure of new plant.

Blue Mountain City (Anniston postoffice), **Ala.**—The installation of an electric light system in Blue Mountain City is reported to be under consideration. H. F. Williamson is Mayor.

Reform, Ala.—The Reform Ice & Light Co. is contemplating the installation of an electric light plant. John Newell is Mgr.

Nashville, Tenn.—The Nashville Ry. & Light Co. has purchased a site on First and Second Aves. for an addition to its power plant. Percy Warner, Nashville, is Pres. and Mgr.

Columbus, Ohio.—Bids will be received by H. S. Holton, Dir. Public Service until Aug. 22 for the necessary labor and materials for ornamental cast-iron standards to be used to install a system of cluster lights in a part of the city. About 866 standards will be necessary.

✚Kenton, Ohio.—A contract for pumping machinery and a 65-HP. engine has been awarded to BROWNELL CO., Dayton, and for a 40-KW. generator to FORT WAYNE ELECTRIC CO., Fort Wayne, Ind. Charles Brossman is Consult. Engr., Union Trust Bldg., Indianapolis, Ind.

Jasper, Ind.—Bids will be received until 7.30 p. m. on Aug. 21, by the Board of Trustees, at the electric light office, for the construction of an addition to the electric lighting system. Plans and specifications may be seen at the office of the Town Clerk.

✚Kendallville, Ind. — A contract for ornamental lamp standards to be installed in the business district has been awarded to the WESTERN GAS CONSTRUCTION CO., Fort Wayne, Ind. From 40 to 60 posts, at a cost of $42.80 each, will be installed.

Edwardsville, Ill.—Paul J. Scheller, it is reported will apply for a franchise to build a gas plant.

✚Jefferson, Wis.—The Water & Light Commission has awarded a contract to S. FREEMAN & SONS CO., Racine, Wis., for two 150-HP. boilers for the municipal water and light plant. John J. Spangler is Mayor.

✚Green Bay, Wis.—The Green Bay Water Co. has awarded a contract to the SNOW STEAM PUMP WORKS, Buffalo, N. Y., for furnishing and installing one 10,000,000 gal. pumping engine and accessories.

Milwaukee, Wis.—The Dept. Pub. Wks. has been authorized to purchase and install the necessary equipment to utilize waste steam at the garbage incinerating plant for operating motors in the flushing stations of the municipal waterworks sytem. The estimated cost is $80,000. Harry E. Briggs is Comr. of Pub. Wks.

New Lisbon, Wis.—Bids will be received, by W. S. Sargent, City Clk., until Aug. 23, for constructing an electric light plant and water-works. H. Meyer, Appleton, Wis., is Engr.

Random Lake, Wis.—The construction of an electric light plant has been voted by the citizens.

✚Independence, Iowa.—A contract for new equipment to be installed in the electric light and power plant, has been awarded to the ALLIS-CHALMERS CO., Milwaukee, Wis. The estimated cost is $11,000.

✚Newton, Iowa.—A contract for the construction of the municipal plant has been awarded to EASTMAN & STINES, Newton, at $13,700.

St. Paul, Minn.—Bids will be received by Oscar Claussen, Comr. Pub. Wks. until Sept. 7, for lighting equipment consisting approximately of 4,100 gas lamp heads, 1,400 gasoline lamp heads and 1,400 posts.

Bids will be received until Sept. 5 on the maintenance of the above gas and gasoline lamps on the basis of the equipment to be furnished by the contractor, and also on the basis of the City to furnish the equipment and the contractor to furnish the maintenance only.

Brown Valley, Minn.—A $10,000 bond issue was voted on July 25 for the construction of an electric light plant. L. C. Bigelow is City Recdr.

Minneapolis, Minn. — Bids have been received as follows for the electrical plant at the city crematory: (a) engine, (b) generator, (c) total cost; Northwest Electrical Co., (a) $9,732, (b) $10,173, (c) $44,506; Electrical Machinery Co., (b) $8,279; Minneapolis Steel & Machinery Co., (a) $7,786, (b) $9,475; Allis-Chalmers Co., (c) $20,427; R. B. Whitaker, (c) $17,991; Electric Machinery Co. and Frank Cook, $17,550 and $18,350 respectively on a polie line; the Electric Machinery Co., $1,941 on a switchboard, and the General Electric Co., $21,984 on generators, lamps, switchboard and all electrical equipment.

✚Greensburg, Kan. — Contracts have been awarded for equipment for the proposed municipal electric light plant as follows: UNITED ELECTRICAL CO., Wichita, Kan., for electrical equipment; SHEFFIELD GAS POWER CO., Kansas City, Mo., two 50-HP. solar oil engines. J. W. Rigby, Wichita, Kan., is Elec. Engr.

Sioux Falls, S. Dak.—The Sioux Falls Light & Power Co. has been purchased by H. M. Byllesby & [illegible] 206 South La Salle St., Chicago, Ill. and improvements and extensions will be made.

Monett, Mo.—Bids will be received until 2 p. m., Aug. 29 for the construction of an electric light plant, pole lines, etc. The cost is estimated at $35,000. Rollins & We[illegible]s, 531 Beals Bldg., Kansas City, Mo., [illegible] Des. Engr.

Clarksville, Ark.—Plans have been prepared for the installation of electric and water plants and sewer system by R. L. Goodman, representing a Texas engineering company.

✚Helena, Ark.—The [illegible]field Engineering Co., has awarded a contract for the construction of a new electric power house to T. [illegible] REYNOLDS, Memphis, Tenn. The building will be 80 × 80 ft., one-story with concrete foundation, brick construction and tile roof. The cost is estimated at $25,000.

✚Waynoka, Okla.—A contract has been awarded to the OKLAHOMA ENGINEERING CO., Anadarko, Okla., at $24,475, for the construction of an electric light and water system. The other bidders were N. S. Sn[illegible]an Machine & Iron Co., $23,977; Kennedy & Fleming, $24,806; Fletcher & [illegible]itz, $27,781.

Longmont, Colo.—Bids will be received until Aug. 19 for the construction of an electric light system to cost approximately $46,000. [illegible] H. Whiting, 256 Century Bldg., Denver, Colo., is Des. Arch., R. E. Richardson is City Engr., and G. H. Stinex is City Clk.

Trinidad, Colo.—The Colorado Ry., Light & Power Co., Trinidad, Col., has been sold to the Federal Light & Traction Co., New York, for a consideration of $950,000. Extensions will be made in the near future, it is stated.

✚Boise, Idaho.—A contract has been awarded to the IDAHO-OREGON LIGHT & POWER CO. for furnishing light to the city for seven years for 300 arc lights at $126,000. A modern cluster light system will be installed.

The Beaver River Power Co. has made application for a franchise to operate here. J. P. Hawley is Atty.

Holtville, Cal.—The Holton Power Co. has decided to make extensions and improvements. W. F. Holt, Redlands, Cal., is Pres.

Los Angeles, Cal.—The following bids were opened by the County Bd. of Supervisors of Los Angeles County for furnishing two engine generator sets in the Hall of Records. The Pacific Coast Mfg. Co., 126 So. Los Angeles St. bid $17,500 for a 250 KW. engine and generator, the engine to be Chase type and Westinghouse generator, time five months; J. F. Conell offered a Monarch engine and Westinghouse generator for $15,725, four months; M. P. Thye & Co., offered four bids at $20,900, $21,000, $19,550 and $19,650, time four and one-half months; the Waterworks Supply Co., bid $19,316 and $19,616 time five months, Chas. C. Moore Co., bid $21,655, $21,611 and $21,281; Smith Booth Usher Co., bid $18,350, $19,440, $20,017 and $18,059; Parrot & Co., submitted eight bids the lowest being $19,090 and the highest $26,456; the Machinery & Electrical Co., offered eight bids ranging from $17,686 to $19,400.

San Francisco, Cal.—Arrangements are being made by the Great Western Power Co. to lay a cable under the bay and supply electricity in San Francisco. The company recently absorbed the City Electric Co., of San Francisco. The company is planning to secure contracts for both light and power service in competition with the Pacific Gas & Electric Co., for both gas and electric service.

Anaheim, Cal.—The installation of an ornamental street lighting system on Center and Los Angeles Sts. is under consideration.

Kennett, Cal.—A franchise has been granted to the Sacramento Valley Power Co. to erect and maintain transmission lines for a term of 50 years.

✚Los Angeles, Cal.—A contract for six traction passenger, one electric drum freight, one electric automatic and two hydro-pneumatic sidewalk elevators to be installed in the new 11-story building being erected at Seventh and Springs Sts., has been awarded by the Van Nuys Building Co. to the OTIS ELEVATOR CO., at $48,345.

Palms, Cal.—The installation of an electric street light system in Palms is under consideration.

BRIDGES.

(_✚Denotes a contract awarded._)

Holyoke, Mass.—Bids are being received by the New York, New Haven & Hartford R. R. Co. for the construction of a new bridge on South Main St. The city of Holyoke will bear one-third of the cost. Edward Gagel is Ch. Engr. N. Y., N. H. & H. R. R., New Haven, Conn.

*__Fall River, Mass.__—Bids will be received by Thomas E. McNally, Secy. Bd. Park Comrs., Fall River, until 4 p. m., Aug. 29, for a reinforced-concrete arch bridge, to span the tracks of the N. Y., N. H. & H. R. R. at South Park.

✚Pembroke, Mass.—The contract for constructing reinforced-concrete bridge over Pudding Creek has been awarded to POWERS BROS., Brockton. Calvin S. West is Chn. Bd. of Selectmen.

*✚__Massena, N. Y.__—We are officially advised that the contract for a two-span concrete steel arch bridge, Melan

System, has been awarded to PRATT & PHILLIPS, Watertown, N. Y., at $27,625. Barney S. O'Neill is Town Superv. The design and construction will be under the supervision of the Concrete-Steel Engineering Co., New York, Engrs.

New York, N. Y.—Bids were received Aug. 10 by Arthur J. O'Keefe, Comr. of Bridges, Borough of the Bronx, for removing the Pelham Bridge over Eastchester Bay as follows: Harry E. Fox, 81 East 125th St., $10,600; Godwin Construction Co., 30 Church St., $14,058; Riverside Contracting Co., 39 Cortlandt St., $15,718; John C. Rodgers, Jr., 121 East 125th St., $16,126; McHarg-Barton Co., 165 Broadway, $17,300; The Snare & Trieste Co., 143 Liberty St., $23,600. All contractors of New York.

Rome, N. Y.—A bridge will be built in East Dominick St. over the Black River Canal.

Roselle, N. J.—Bids will be received until Aug. 18 by the Central R. R. of N. J., 143 Liberty St., New York, for a structure involving 100 tons to be erected at Roselle. J. J. Yates, 143 Liberty St., New York, is Bridge Engr.

Catasauqua, Pa.—Bids will be received by the Commissioners of Lehigh County, at Allentown, until 10 a. m., Aug. 21, for improving Pine St. bridge. T. S. Troxell is Clk.

***Reading, Pa.**—Bids will be received until Sept. 14 by A. L. Rhoads, County Controller, Court House, Reading, for the construction of a reinforced concrete viaduct over the Schuylkill River. The structure will be 1,350 ft. long, 80 ft. in width, and will be composed of nine 48 ft. arches, five 11 ft. arches, retaining wall.

Pittsburg, Pa.—Plans have been approved by the County Commissioners for constructing a bridge from North Side to McKees Rocks. The estimated cost is $1,500,000.

Williamsport, Pa.—Bids will be received by the County Commissioners until noon, Aug. 23, for concrete jacket repairs to the east abutment of the Jersey Shore River bridge. A. P. Zuber is Clk.

Washington, D. C.—A bridge will be constructed across Rock Creek at Q St. The cost is estimated at $172,000.

Wilmington, N. C.—Concrete and steel structures are to be substituted for all wooden trestles on the Atlantic Coast Line R. R. About $2,000,000 will probably be expended annually for several years before the work is completed. E. B. Pleasants, this city, is Ch. Engr.

Nashville, Ga.—Bids will be received by the Commissioners of Berrien and Coffee Counties until 10 a. m., Aug. 23, for constructing a new bridge across Willocoochee Creek. L. C. Turner is Clk. of Berrien County and T. P. Wilcox is Clk. of Coffee County.

Grenada, Miss.—Bids will be received until Sept. 4 by the Supervisors of Grenada County for a Luten truss. The only bid received Aug. 7, for a bridge at the same place, that of P. C. Powers & Son, Memphis, Tenn., was rejected. The bid was $25,830. Albert T. Whetbeck, Grenada, Miss., is County Engr.

Waverly, La.—Bids will be received until Aug. 28 by A. L. Slack, Secy. Bd. of Police Jury, at Tallulah, for constructing a bridge across Joe's Bayou, about 3½ miles south of Waverly. The bridge will be 130 ft. long, including a span of 75 ft. The roadway will be 12 ft.

Somerville, Tenn.—Bids will be received by H. P. Hobson, Chmn. of the County Court, until Aug. 21 for constructing five steel bridges. Howard M. Jones, Cole Bldg., Nashville, is Engr.

+Paducah, Ky.—The contract for a steel and concrete bridge across Island Creek has been awarded to T. A. OMBERG, JR., Memphis, Tenn., at $7,000.

+Cincinnati, Ohio.—Contracts have been awarded for the Gilbert Ave. viaduct as follows: Substructure and pile driving, to the CRANFORD CONSTRUCTION CO., Cincinnati, for $50,160, and for the superstructure of reinforced concrete, to KAPS-BREHME CO., Cincinnati, for $144,999.

Cincinnati, Ohio.—Bids will be received by the Commissioners of Hamilton County until noon, Aug. 25, for constructing a concrete bridge on Reading Road in Sycamore Township. Fred Dreihs is Clk.

Indianapolis, Ind.—The Commissioners of Marion County have appropriated $54,700 for the construction and repair of bridges.

Muncie, Ind.—The Commissioners of Delaware County have rejected all bids for the construction of seven bridges because of irregularity. New bids will be received about Sept. 7.

New Castle, Ind.—The Commissioners of Henry County will soon ask for bids for the construction of a bridge or overhead crossing of the National Highway and Pennsylvania R. R. at Dunreith.

Plymouth, Ind.—The Commissioners of Marshall County will soon ask for bids for the construction of the Brownlee bridge. The appropriation is $6,000. The bridge will span the Yellow River.

Rockville, Ind.—The Commissioners of Parke County are preparing to ask for bids for the erection of a bridge at Armiesburg and for a bridge in the southern part of the county.

Terre Haute, Ind.—The Commissioners of Vigo County have made an appropriation of $49,000 for the construction of several bridges. Bids will be received as soon as plans are completed.

+Washington, Ind.—The Daviess County Commissioners have awarded contracts for constructing bridges to VINCENNES BRIDGE CO., Vincennes, and to JAMES F. HOPKINS, Montgomery.

Chicago, Ill.—Bids were received by L. E. McGann, Comr. Pub. Wks., until 11 a. m., Aug. 12, for the construction of the superstructure of a Bascule bridge over the south branch of the Chicago River at Washington St. as follows: National Contracting Co., $146,743; Penn. Steel Co., $148,000; Roemheld Const. Co., $144,930; Ketler Elliott Erection Co., $131,300; Modern Steel Erection Co., $131,000; Strobel Bridge Co., $120,800; J. J. Galleny, $143,980.

East St. Louis, Ill.—See item under Electric Railways.

Galesburg, Ill.—Bids will be received at the Court House, Galesburg, until 1 p. m., Aug. 24, for three small reinforced-concrete structures in Copley Township known as the Evans, Barber and Lawson bridges. Wm. Suydan is Town Clk., Victoria, Ill.

Quincy, Ill.—Bids will be received until 2 p. m., Sept. 9, at the bridge site, three miles from Quincy, for the construction of a steel arch bridge, in Melrose Township, 90 ft. long 16 ft. roadway. J. Schonarth is Town Clk. R. F. D. No. 5, Quincy, Ill.

Milwaukee, Wis.—The Common Council has instructed the Department of Public Works to construct two concrete bridges across Kinnickinnic River at Fourth and Fifth Aves., at a cost of $4,000 each. Harry E. Briggs is Comr. of Pub. Works.

Waterloo, Iowa.—Bids will be received until 7.30 p. m., Aug. 21, by C. I. Wilson, City Engr., for two 42-ft. reinforced-concrete arches. The approximate cost will be about $9,000.

Kasota, Minn.—Bids will be received by the Board of Supervisors until 2 p. m., Aug. 19, for constructing a steel and concrete wagon bridge to be located on the State Road at Pettis. C. C. Payne is Town Clk.

Albert Lea, Minn.—New bids will be received Aug. 21 for a reinforced-concrete bridge and dam. All bids received Aug. 4 were rejected as follows: Twin City Bridge Co., Minneapolis, $33,300; J. P. Noland, So. St. Paul, Minn., $35,000; Marsh Eng. Co., Des Moines, Iowa, $27,994; J. W. Turner Improvement Co., Des Moines, Iowa, $27,690; Miller-Hey Construction Co., Waterloo, Iowa, $29,480. William Barneck, Albert Lea, Minn., is City Engr.

Plummer, Minn.—Bids will be received by the city until Aug. 22 for the construction of a steel bridge across Lost River, between Emardville and Garnes. The structure will be 60 ft. long with 16-ft. roadway.

St. Paul, Minn.—Plans for a 500-ft. bridge to be constructed at Earl St. over the tracks of the Northern Pacific and Chicago, St. Paul, Minneapolis & Omaha Railroads have been prepared by Oscar Claussen, City Engr. The bridge is to have a 40-ft. roadway and 9-ft. walks on either side.

Springview, Neb.—Bids will be received until Aug. 28 by M. Frauden, Chn. Bd. County Comrs., at Springview, for constructing three steel bridges across the Niobrara River as follows: Hangen bridge, one span 140 ft.; Carns bridge, one span, 325 ft.; also two spans, each 179 ft. Norden bridge, one span, 100 ft. All bridges to have 16-ft. roadways.

+*Caldwell, Idaho.—Contracts have been awarded by the state for the following bridges: New Plymouth, $15,875; Fruitland, $15,795; Letha, $15,950, to J. H. FORBES & CO.

Seattle, Wash.—Bids will be received by County Commissioners until 2 p. m., Aug. 22, for furnishing material and construction of the Kent-Thomas bridge; to include steel for 133-ft. steel pin-connected span.

Portland, Ore.—The Executive Board has authorized Ralph Modjeski to draw up plans for the Broadway bridge. T. W. Morris is City Engr.

Bakersfield, Cal.—A reinforced-concrete bridge, 300 ft. long, to cross Kern River, is being considered by the Supervisors of Kern County. Cost is estimated at $75,000.

Oakland, Cal.—Plans and specifications for constructing four reinforced-concrete bridges have been prepared by the County Engineer. The estimated cost of each is $5,000.

+San Andreas, Cal.—Bids were received by the Clerk of the Board of Supervisors of Calaveras County Aug. 7 for the construction of a steel bridge of two spans of 153 ft. each, over the Calaveras River and the contract was awarded to JENKINS & WELLS, Sacramento, Cal., at $14,832.

+San Jose, Cal.—Contracts have been awarded to W. RADTKE for the Stevens Creek bridge at Fremont Ave. at $7,499, and for the Llagas Creek bridge at Oldham Road at $3,997.

+San Lucas, Cal.—The contract for constructing a reinforced-concrete bridge over the San Inez River has been awarded to CHAS. W. DEACON, San Luis Obispo, at $33,825. C. A. Hunt is County Clk.

+Ventura, Cal.—The following contracts have been awarded by the Board of Supervisors: The MERVY-ELWELL CONSTRUCTION CO., foot of 11th Ave., Oakland, constructing the abutments and superstructure for a bridge at Santa Paula, at $7,940; C. W. CORBALEY, H. W. Hellman Bldg., Los Angeles, contract for abutments and superstructure for a bridge at Mupu, at $9,568.

Alexander, Man.—Bids will be received until Aug. 25 by M. Eaton, Alexander, for constructing a bridge and abutments across the Little Saskatchewan River.

Winnipeg, Man.—Bids will be received by the Department of Public Works until noon, Aug. 25, for constructing a double or single span steel bridge and concrete abutments across the Little Saskatchewan River in Whitehead. Plans are on file at the office of McDiarmid & Clark, Brandon. M. Eaton is Secy.-Treas.

BUILDINGS.

(**Denotes that this work is advertised in Engineering News.*)

Portland, Me.—A large block is to be erected on Congress St. and Washington Ave. for Abraham Goodside. Frank M. Churchill, 74 Winslow St., is the Arch.

Chicopee, Mass.—An addition of six rooms to the Chapin school in Willimansett is about to be built, 80 ft. × 90 ft., brick. George P. B. Alderman & Bro. are the Archs.

Chelsea, Mass. — Six 3-apartment houses are to be erected on Hawthorne St., to be of brick, three stories, to cost $30,000. S. S. Levy, 232 Broadway, is Arch.

Easthampton, Mass.—Plans of Clarence P. Hoyt, Boston, Mass., are being figured on for the construction of the high school building here. It will be of brick, two stories high, 75 × 87 ft.

+Northampton, Mass.—The contract for the church for St. John's Parish has been awarded to MICHAEL MALONEY. The contract for carpentry work was awarded to FRANK A. MOREY; for roofing and painting to A. D. STONE & CO., and for stone to the ATLANTIC TERRA COTTA CO. Church is to be of grey tapestry brick, 45 ft. × 125 ft. John W. Donohue is the Arch.

+Springfield, Mass.—The contract for the 4-story block at the corner of Tyler and Hancock Sts., to be built for Jacob Schaffer, has been awarded to OSCAR JURIST. To be 39 ft. × 79 ft. B. E. Geckler is the Arch.

A dormitory, laundry and heating plant is to be erected at Brightside for the Holy Family Institute. John W. Donohue is the Arch.

Athol, Mass.—Bids will be received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until Sept. 12 for the construction, complete (including plumbing, gas-piping, heating apparatus, electric conduits and wiring and lighting fixtures), of the U. S. post-office at Athol, Mass. Drawings and specifications may be obtained from the Custodian of site at Athol, Mass., or at the office of the Superv. Arch.

Boston, Mass.—The First National Bank is preparing to build a large addition to the present bank building, immediately adjoining it on the north side, on Federal and on Congress Sts. Daniel G. Wing is Pres.

+Chelsea, Mass.—Bids were received as follows by the Board of Control on Aug. 8 for the erection of a schoolhouse on Central Ave., also for the plumbing, heating and ventilation systems of the same. JOHN W. DUFF, Boston, general contract, at $89,759. Kilham & Hopkins, 9 Park St., Boston, are Archs. William E. McClintock is Chn. Bd. of Control.

+Worcester, Mass.—The contract for two sub-stations of the Worcester Suburban Electric Co. has been awarded to E. D. WARD, 82 Foster St. One at Millbury will be 30 × 36 ft., brick and one at Northbridge will be practically the same.

Newport, R. I.—A church and school is about to be built in the south end of the city for St. Augustine's Parish. To cost $70,000. Bids are now being considered. Rev. Martin F. Reddy is Postor.

+Providence, R. I.—The contract for the steel and iron work on the nurses home at Butler Hospital has been awarded to the JAMES H. TOWER IRON WORKS, 48 Borden St. WILLIAM WILLIAMS is the general contractor. Building is to be three stories, of brick, frame construction, 158 × 34 ft. Jackson & Robertson are the Archs.

+New Haven, Conn.—Chickering & O'Connor of Boston are preparing the plans for the church to be erected on State St. for the St. Stanislaus R. C. Society, the Rev. Father A. Mezurkiowzez in charge. The structure will be of brick and steel, with artificial stone trimmings and copper cornices. The interior will be plastered on metal lath, with steam heat and art glass windows. The cost will be about $75,000.

The following bids were received for the erection of the proposed schoolhouse on Clinton Ave., the plans for which are by Brown & Von Beren, Archs. Carpenter, mason work and painting: Torrington Building Co., $104,921; H. Wales Lines Co., $103,880; David H. Clark Co., $96,204; C. W. Murdock, $91,950. Mason work only: J. H. Hogan, $68,500; D. G. Carmichael, $63,747. Carpenter work only: C. E. Augur, $35,975; S. G. Russell, $30,925. Plumbing and heating: J. B. Beegan, $15,000; Rourke Bros. Co., $12,982; Sheehan & Groak, plumbing $4,000, heating, $10,347. The contract was awarded to C. W. MURDOCK and the ROURKE BROS. CO.

+Binghamton, N. Y.—The contract has been awarded to A. E. BADGLEY for the construction of a 6-story apartment house by G. A. and S. W. Reynolds on Oak St. The building will be constructed of brick and terra cotta block. The front of the building will be of tapestry brick and the back porches reinforced concrete. The cost is about $60,000.

+Buffalo, N. Y.—The contract has been awarded to JOSEPH G. BELLANCA at $47,000 for constructing a county lodging house. The Board of Supervisors is the owner.

+Ithaca, N. Y.—THE DUROLITHIC CO., 460 Ellicott Sq., Buffalo, N. Y., has been awarded the general contract for Home Economics building to be erected at Cornell University, Ithaca, N. Y. Green & Wicks, Superv. Archs. The building will be 100 × 140 ft., four stories high, and cost $103,498.

Mt. Vernon, N. Y.—Plans have been approved by the Jackson Amusement Co., Edward Freund, Pres., for the enlargement of the Jackson Casino at Westchester and Forest Ave. The building will have a seating capacity of 2,000 and cost $170,000.

***Albany, N. Y.**—Bids will be received by Franklin B. Ware, State Arch., in the Capitol, until Aug. 29 for certain labor and materials in connection with the restorations and repairs of the State Capitol at Albany. Proposals are required as follows: Proposal A, for structural steel work; Proposal B, for slate and tile roofing, skylight and sheet metal work; Proposal C, for all of the work included in both of Proposals A and B. For details see advertisement in this issue.

Oswego, N. Y.—John H. Seeber, 11 Arcade Bldg., is preparing plans for an orphan asylum building, 60 × 120 ft., two stories and basement, stone, brick and structural iron, to be erected at Syracuse Ave. and East River Rd. for the St. Francis Home.

+Schenectady, N. Y. — The DUROLITHIC CO., Ellicott Sq. Bldg., Buffalo, has been awarded contract for the post-office building, 122 × 80 ft., of white brick and terra cotta, to cost $125,005.

+Tompkinsville (S. I.), N. Y.—The contract has been awarded to the TURNER CONSTRUCTION CO., 11 Broadway, New York City, for the construction of a reinforced concrete warehouse for the American Dock & Trust Co., at Tompkinsville, S. I. The building is to be six stories high, 130 × 75 ft., work to go ahead at once.

New York, N. Y.—Plans have been prepared for Richard Bergen, 309 Broadway, for the construction of a 12-story loft building at 207 West 25th St. The Graphic Arts Realty Co. is the owner. The cost is about $400,000. W. S. Timmins, 47 West 34th St., is Engr.

Plans have been prepared by L. E. Denslow, 44 West 18th St., for making alterations to the 7-story apartment building at 73 West 116th St. Sophie Rothschild, 116 East 79th St., is the owner.

Plans have been prepared by N. Serracino, 1170 Broadway, for the construction of a 5-story rectory at 1067 Lexington Ave. Eglise St. Jean Baptiste, 185 East 76th St., is the owner. The estimated cost is $80,000.

Plans have been prepared by Albert Joseph Bodker, 25 West 32d St., for the construction of a 12-story apartment building at 383-387 Park Ave. The Montana Realty Co., 135 Broadway, is the owner. The cost is $350,000.

+Contracts will soon be awarded for the proposed addition to the Ritz-Carlton Hotel at Madison Ave. and 46th St. Plans are being prepared by Warren & Wetmore, 3 East 33d St. The general contract is held by M. REID & CO., 114 East 39th St.

Plans are being prepared by Moore & Landsiedel, Third Ave. and 148th St., for the construction of a 5-story tenement building on the east side of Tiffany St. The estimated cost is $50,000. The Steinmetz Construction Co., 1416 Glover St.

Plans have been prepared by Rouse & Goldstone, 38 West 32d St., for the construction of a 12-story store and loft building at 22-24 West 38th St. The Harvard Realty Construction Co., 31 East 22d St., is owner. The estimated cost is $180,000.

Plans have been prepared by William Bryan, 250 West 47th St., for alterations to the 5-story apartment building at 326 West 40th St. The Ellis Farm Boys' Training School, 17 West 42d St., is the owner.

Plans have been prepared by Denby & Nute, 333 Fourth Ave., for the construction of a 9-story apartment house at 150 East 35th St. The J. J. Hearn Construction Co., 505 Fifth Ave., is the owner. The estimated cost is $125,000.

Plans have been completed by Townsend, Steinle & Haskell, Broadway and 34th St., for the construction of a 6-story tenement building for Clara L. Eakins, 157-59 West 105th St., at 150-152 West 106th St. The estimated cost is $85,000.

Alterations will be made by Conrad Schmitt, 72 Ave. B, to the 5-story apartment house at 548 East Fifth St. Plans by Henry Regelmann, 133 Seventh St.

Sub-contract will soon be awarded by the Ridge Holding Co., 80 Fifth Ave., for the construction of three 6-

story apartment buildings at Ridge St. north of Delancey St. The cost is about $145,000. Plans have been prepared by C. B. Meyers, 1 Union Sq.

Bids are being received by the McMorrow Engineering Co., 3785 Broadway, for the erection of a 10-story apartment building at Broadway and 43d St. Plans have been prepared by Neville & Bagge, 217 West 125th St. The estimated cost is $475,000.

Plans are being prepared by F. H. Friend, 148 Alexander Ave., for alterations to the 5-story apartment building at 214 East 36th St. J. M. Fitzsimmons, 125 West 122d St., is the owner.

Plans have been prepared for William C. Bergen, 180th St. and Andrews Ave., for the construction of a 7-story fireproof office building, 68 × 135 ft., at Tremont and Andrews Ave. The estimated cost is $200,000. Charles S. Clark, 441 Tremont Ave., Bronx, is Arch.

The Long Island R. R. Co. will relocate its station at Jamaica, 1,790 ft. west of the present station. The company will erect an office building overhead for use as the headquarters of the company and will spend about $3,000,000 on the improvement.

Bids will be received until Aug. 23 by Joseph Johnson, Fire Comr., for furnishing all the labor and materials required for repairs to the quarters of Engine Co. 14, 14 East 18th St., and Engine Co. 29, 160 Chambers St., Boro. of Manhattan, and Engine Co. 135, 206 Monroe St., and Hook and Ladder Co. 59, 633 Fourth Ave., Boro. of Brooklyn.

+Plans have been filed for the construction of a theatre at Broadway and Varet St., Williamsburg. The contract is held by MAX GOLD, Arverne, L. I. Plans were prepared by Shampan & Shampan, 772 Broadway. The structure will be three stories and basement and will contain an auditorium, balcony and gallery, seating 1,000 people. The cost is **$60,000.**

+The contract has been awarded to the TURNER CONSTRUCTION CO., 11 Broadway, for the construction of a reinforced-concrete hay storage building, 72 × 120 ft. in plan, four stories high, to be erected at North Tenth and Kent Ave., for the Brooklyn Eastern District Terminal Company. Cross & Cross, Archs. Work to be undertaken at once.

Sea Cliff (L. I.), N. Y.—The Board of Education has awarded to the THOMAS J. BUCKLEY CONSTRUCTION CO., 103 Park Row, New York City, the contract for building a fireproof school here, at $51,909, the lowest bid.

Yonkers, N. Y.—The Board of Education has directed its Architect, C. C. Chipman, to prepare plans for two 4-room, fireproof school buildings, to be located in Lincoln and Nepera Pks.

Jersey City, N. J.—Plans have been filed for the construction of an office building on Sip Ave. near Journal Sq., by the Public Service Corporation.

+East Orange, N. J.—Bids were received at the office of Wilbur F. Sadler, Jr., Adj. Gen., Sea Girt, on Aug. 8, for erecting an armory at East Orange, as follows: Hedden Construction Co., $122,212; Fred Kilgus, $98,663; E. M. Waldron & Co., $93,400; WILLIAM C. SHARWELL & CO. (awarded contract) $91,805.

Newark, N. J.—Plans have been prepared by A. C. Johnson, Toledo, Ohio, for the construction of a theatre building in Bijou Pk., Market St., Newark. F. F. Proctor is the owner.

+Gettysburg, Pa.—James Knox Taylor, Superv. Arch. of the Treasury, Washington, D. C., has awarded contract for the construction of a post-office building at Gettysburg, Pa., to AMBROSE B. STANNARD, New York, at $94,260.

Philadelphia, Pa.—Resolutions asking the Council for an appropriation of $400,000 for the erection of a high school on ground south of the Third Regiment Armory, at Haddon and Wright Aves., and a grammar school in the East Side, were adopted by the Camden Board of Education. It is planned to build a high school that will accommodate all the needs of the future.

Architects are preparing competitive designs for the construction of a clubhouse for the Manufacturer's Club at Broad and Walnut Sts. The structure will have a frontage of 100 ft. on Broad and 100 ft. on Walnut.

Plans have been prepared for the construction of a hospital building for the Women's Southern Homeopathic Hospital to be erected on a site at Broad and Fitzwater Sts. The building, which it is proposed to erect, will be six or eight stories in height, occupying part of the lot. Work on it will be begun, it is expected, this fall. The Women's Southern Homeopathic Hospital is now located at 724 Spruce St.

Swissvale, Pa.—Carlisle & Sharrer, Archs., are taking bids for the erection of a store and brick hall building to be two stories high with basement, for the Fraternal Order of Eagles, to be erected at Swissvale. The building will measure 25x110 ft. and will contain bowling alleys, grill room, billiard room and lodge quarters.

Baltimore, Md.—J. G and M. Rhode have plans by John R. Forsythe, 232 St. Paul St., for apartment house at Mont Alto; will be of brick and stone construction, cost $40,000.

The Western National Bank has plans by Haskell & Barnes, Archs., Wilson Bldg., 301 North Charles St., for bank building at Eutaw St., between Fayette and Baltimore Sts., to be of brick and stone construction, slate roof, steam heat, gas and electric lighting, tile floors, cost $100,000. Architects are taking bids due Aug. 21.

Western Maryland R. R. Co., H. R. Pratt, Ch. Engr., Hillen Station, is planning to begin construction and equipment of proposed terminals; plans provide for improved yard facilities at Port Covington and Hillen Station, including laying of three sets of tracks, erection of two piers at Port Covington and warehouse at Hillen Station.

+Cumberland, Md.—Dr. A. C. Matthew has plans by and awarded contract to J. C. POWELL, Cumberland, to erect veterinary hospital; 30 × 70 ft., two stories, fireproof construction, hot water heat, gas and electric lighting.

Frederick, Md.—The Evangelical Reformed Church has plans by J. R. Lamb, of New York City, for improvements to present building and erection of additions; will install heating system. Improvements to be of brick and stone construction, trimmed with marble.

Rogers Station, Md.—Thomas J. Buchannan has plans and specifications by Emory & Nussear, Professional Bldg., for residence; will be of hollow tile construction, slate roof, steam heat, tile floors, all modern conveniences. Architect is taking bids due Aug. 18.

+Westminster, Md.—Mather Printing Co., 63 East Main St., awarded contract to CHARLES B. HUNTER to erect office building and store; brick construction, two stories, 35 × 70 ft., fireproof construction, plans by Owens & Sisco, Archs., 1605 Continental Bldg., Baltimore, Md.

Norfolk, Va.—The Centenary Methodist Church, Rev. J. W. Shackford, Pastor, will erect church and Sunday school rom at Colonial Ave. and 15th St.; cost of both structures, $40,000. E. M. Jordan is Supt. of construction.

Norfolk, Va.—Southern Produce Exchange will erect office building and store at Commercial Place and Water St.; will be of brick construction, trimmed with marble; steam heat, gas and electric lighting, plumbing, slate roof; cost about $40,000.

Mrs. M. A. Milhado will erect an apartment house and store building at northeast corner York and Boutetort Sts. Will be of brick and stone construction; steam heat, electric lighting, plumbing; other details not yet decided.

South Boston, Va.—Norfolk & Western Ry. Co., C. S. Churchhill, Ch. Engr., Roanoke, Va., and Southern Ry. Co., D. W. Lum, Ch. Engr. Maintenance of Way and Structures, Washington, D. C., will erect union depot.; cost, $44,000. Brick construction, fireproof, steam heat, electric lighting, plumbing

Richmond, Va.—S. G. Meredith will erect tenement house; two dwellings, two stores. Will be of brick construction; 42 × 52 ft; brick, mill construction; stoves, electric lighting. Construction to be done by owner.

Clarksburg, W. Va.—Union National Bank has plans and specifications by Wyatt & Nolting, Keyser Bldg., Baltimore, Md., for bank building; ten stories, cost $500,000. Brick and stone construction, fireproof.

+Wilmington, N. C.—The contract has been awarded to the CHRISTIAN CONSTRUCTION CO., at $60,000 to construct a seaboard warehouse. The structure will be of frame with a capacity of 50,000 bricks.

Bishopville, S. C.—Bids will be received until Aug. 22 by the Bank of Bishopville for the erection of a stone bank building. Plans and specifications can be seen at the Bank or obtained from Wilson & Sompayrac, Columbus, Ohio.

+Middlesboro, Tenn.—The contract has been awarded to L. A. GALYOU & CO., Knoxville, Tenn., for the construction of the proposed school building here.

Louisville, Ky.—It is reported that negotiation has practically been closed for the construction of a 10-story apartment building. The estimated cost is $800,000. It is stated that eastern capitalists will construct the building.

Plans have been prepared for the erection of a church building at Third and O Sts. The structure is to be known as the Church of the Holy Name, and the edifice will contain 500,000 cu. ft. and will cover ground 67 × 145 ft. The tower will be 105 ft. high and will be constructed of brick and stone.

Cleveland, Ohio.—Bids will be received until noon, Sept. 5, by Carl Lorenz, Secy. of the Cleveland Pub. Library Bd. for furnishing necessary labor and materials for the construction of a library building on the west side of East 30th St. near Central Ave. Plans were prepared by Edward L. Tilton.

New Concord, Ohio.—Plans are now being worked out for the complete rejuvenation of Muskingum College at New Concord. Architect, F. L. Packard. Cost, $500,000.

+Columbus, Ohio.—THE DAWSON CONSTRUCTION CO. of Pittsburg was awarded the contract for the construction of the Dana Ave. school building by the Board of Education. The bid was $5,000 lower than the separate bids. The following general contractors figured the job: E. K. Hibbs, $84,900; John Hina, $72,733; D. W. McGrath, $69,985; R. H. Evans & Co., $75,819; Dawson Construction Co., $60,450. The bids of Hibbs and the Evans company included the heating and ventilating.

+Columbus, Ohio.—R. H. EVANS & CO., has been awarded the contract to erect the foundation for the Masonic Temple on Fourth St. The entire structure will cost in excess of $200,000.

Lima, Ohio.—Frank L. Packard, Arch., of Columbus, has awarded the contract for the erection of a cottage, hospital building and power house at the Ohio State Hospital to the NATIONAL CONCRETE FIREPROOFING CO., at $127,000.

Wooster, Ohio.—Bids will be received Aug. 29 by the Board of Trustees of Ohio Experimental Station for the construction of a fireproof addition to the main building, which is known as the administration building.

South Bend, Ind.—The School Board will receive bids until 3 p. m., Aug. 21, for the erection and completion of a high school building, except plumbing, heating, electric work and equipment. Plans. by. William B. Ittner, Arch. Specifications at the office of the Supt. of Schools in the high school building at South Bend, Indiana. The new building it is expected will cost in the neighborhood of $300,000.

+Iron Mountain, Mich.—Charlton & Kuenzlie, 423 Camp Bldg., Milwaukee, Wis., have awarded the general contract for a school building and power-house, two stories and basement, 209 × 117 ft., and 1-story and basement, 58 × 34 ft., to the FOSTER CONSTRUCTION CO., 303 Caswell Bldg., Milwaukee, Wis. Cost, $85,000 .

Detroit ,Mich.—Plans have been prepared by Louis Smilansky for a brick 32-apartment building on the south side of Harper Ave., between Woodward Ave. and John R St. The building will be approximately $60,000.

+Mildner & Eisen, 1018 Hammond Bldg., have awarded the general contract for the 5-story and basement building, 35 × 100 ft., for the Bench Floral Co., 153 Bates St., to J. H. A. HABERKOM, 388 14th Ave. Cost, $40,000.

+Mildner & Eisen, 1018 Hammond Bldg., are preparing plans and will take bids soon on a 4-story and basement store building, 106 × 136 ft., for the Kastner Coal Co., 221 Sherman St. Building to be of reinforced-concrete construction.

H. C. Stevens, 503 Sun Bldg., has awarded the general contract for the 3-story and basement market building, 16 × 110 ft., for the Broadway Public Market Co., Broadway and Grand Ave., to A. J. SMITH CONSTRUCTION CO., 911 Hammond Bldg., at $200,000.

Grand Rapids, Mich.—Bids will be received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until Aug. 31 for the completion of the fourth story (including plumbing, gas piping, heating apparatus, electric conduits and wiring and lighting fixtures) of the U. S. post-office and court-house at Grand Rapids, Mich. Drawings and specification may be had from the Custodian of site at Grand Rapids, Mich., or at the office of the Superv. Arch.

Chicago, Ill.—It is reported that the heirs of the late Joseph E. Otis will erect a 20-story "sound-proof" building. Plans have been prepared by Holabird & Roche, 98 Jackson Blvd. The building is to be especially constructed for studio purposes and will contain two recital halls, one with a seating capacity of 150 and another seating more than 500.

Plans have been completed for the construction of the library building for the Cooper Medical College. The building will cost $100,000 which was donated by Dr. Lane.

Milwaukee, Wis.—Plans have been prepared by W. W. Maxwell for the construction of the Milwaukee Trade School for Boys. The building will be located on Virginia St. and College Ave. The cost is $200,000. The building will be 300 × 150 ft., of reinforced concrete, with red brick and stone trimmings. It will be three stories in height and will be lighted and heated from its own power plant.

The Building Committee of the First National Bank and First Savings & Trust Co. has selected D. H. Burnham & Co., Archs., Chicago, Ill., to prepare plans and supervise the construction of its proposed new $1,500,000 banking house, to be erected at the southwest corner of Mason and East Water Sts. Preliminary schedules call for a 16-story building, 120 × 200 ft. in size, of brick and steel construction, with white enameled terra cotta exterior finish.

The Department of Public Works has rejected all bids received for the construction of the first wing of the proposed isolation hospital on Eleventh Ave. Bids aggregated $65,829 as against the estimates of $45,700. New bids will be received. Harry E. Briggs is Comr.

Racine, Wis.—A Chicago syndicate has purchased a site at Main and State Sts. and proposes to erect a vaudeville theater of fireproof construction, at a cost of $50,000.

Cedar Rapids, Iowa.—Bids will be received until 2 p. m., Sept. 11, for the erection of St. Paul's Methodist Episcopal Church to be 165 × 105 ft. by the Building Committee, P. O. Box 312, who will furnish plans and specifications and blank form of bid required.

Des Moines, Iowa.—Plans have been completed for the construction of a 4-story brick and stone dormitory to be erected by the Highland Park College on the campus. The structure will replace two smaller dormitories recently destroyed by fire. The proposed building will be 250 ft. long and contain between 125 and 150 rooms.

Minneapolis, Minn.—E. L. Phelps will construct for the West Side Commercial Club a building at [illegible] St. and Nicollet Ave. The cost is [illegible],000.

+Duluth, Minn.—The contract for the construction of a roundhouse, machine shop and storehouse for [illegible] Duluth, Winnipeg & Pacific Ry. [illegible] Virginia, Minn., was let on Aug. 1 [illegible] JOHN A. JOHNSON and HUGH FA[illegible]ETT, of Duluth, bidding jointly. The work will cost about $50,000 and [illegible] gin soon. M. BOYLAN, of Virginia, Minn., was awarded a separate contract for the plumbing.

+Clay Center,. Kan.—The Superv. Arch. of the Treasury, Washington, D. C., has awarded contract [illegible] the construction of a post-office building at Clay Center, Kans., to [illegible]GERS & KAISER, Chicago, at $51,[illegible]

Onida, S. Dak.—Bids will be received until Aug. 25 by E. E. Br[illegible]king, Clk. Bd. Educ., Onida; Independent School Dist. No. 1, for erecting a school.

San Antonio, Tex.—Paul H. Scholz, Business Agent of School Board, will receive bids Aug. 26 for the erection of a school from plans of Sutter & Shands, of San Antonio. Cost, $40,000.

Spokane, Wash.—The Farmers and Mechanics bank will erect a 6-story office building at Broadway and Monroe St. The cost is $160,000.

Seattle, Wash.—The following bids were received for the proposed Franklin high school. The general bids included the following: McClellan & Hickey Co., $258,000; H. E. Wiley, $269,990; Jenkins & Jones, $288,000.

Bids exclusive of steel, terra cotta, mill work, roofing, sheet metal work, plastering and painting were received as follows: Bartz & Grant, $236,000; John Galber, $203,897; Rounds & Hursen Co., $195,600; Butler Construction Co., $181,900; Frank S. Misho, $152,188; H. D. Stewart, $136,964; Whiting & Forrestal, $100,573.

The separate bids received were as follows: Terra cotta, Atlantic Terra Cotta Co., $45,560, $40,975; Denny-Renton Clay & Coal Co., $44,558, $42,590; Cladding, McBean Co., $52,000, $47,000; Northwestern Terra Cotta Co., $47,900, $40,500; Northern Clay Co., $44,725, $51,165.

Fresno, Cal.—A. C. Swartz & Son have been commissioned by the Board of Trustees of Delano Union high school district to prepare plans for the proposed high school building. The building, as outlined in the preliminary plans, will be two stories high, in the classic style, with pressed brick walls and stone columns. It will contain twenty class rooms, a large auditorium, offices, and lavatories and toilets.

+South Pasadena, Cal.—ALONZO PACKARD has been awarded the contract to complete the unfinished portion of the Lincoln Park grammar school. The biggest part of the contract will consist in the building of a school auditorium.

Juneau, Alaska.—Bids were received as follows on Aug. 8 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a public building at Juneau, Alaska: Partz & Grant, Tacoma, Wash., $47,996 (sole bidder). Bids were also asked at Juneau, but the Superv. Arch. received telegraphic advices on Aug. 9 to the effect that none were received there, whereupon the bid mentioned above was opened.

Toronto, Ont.—Bids will be received until Aug. 22 by H. F. McNaughton, Secy. Public Wks. Dept., for the stone and brick work, fireproofing, steel work, roofing and carpenter work, for the government house in Chorley Park, Rosedale, Toronto. Plans and specifications may be seen at the department.

+Ottawa, Ont.—The contract has been awarded to A. S. METCALF, Montreal, Que., at $100,000 for the construction of the platform and canopy in connection with the Grand Trunk Ry. terminal here.

+Winnipeg, Man.—The KELLY-SIMPSON CONSTRUCTION CO., of Winnipeg, has been awarded the contract for the erection of the 7-story reinforced concrete Boyd block on the corner of Portage Ave. and Edmonton St., at a cost of $230,000. J. D. Aitchison is Arch.

WATER SUPPLY—IRRIGATION.

(+*Denotes a contract awarded.*)

***Boston, Mass.**—Bids will be received at the office of the Metropolitan water and Sewerage Board, 1 Ashburton Pl., Boston, until 2.30 p. m., Sept. 1, for two pumping engines, each having a capacity of 3,000,000 U. S. gallons in 24 hours, to be installed in a pumping station at Hyde Park, Mass. Pamphlets containing further information for bidders, forms of proposal, contract and specifications may be obtained at the office of the Chief Engineer of Water Works, 1 Ashburton Pl. Dexter Brackett is Ch. Engr; William N. Davenport is Secy.

+Boston, Mass.—The contract for relaying water pipe at Neponset has been awarded to HUGH McNULTY. L. R. Rourke is Comr. Pub. Wks.

Bids will be received until Aug. 21 by the Public Works Department for laying 3,400 ft. of 8, 10 and 12-in. water pipe in various streets in the city. Part of this work consists in the exension of the high service to the business district of South Boston. Louis X. Rourke is Comr.

✚Worcester, Mass.—The contract for installing the necessary pump and pipe lines for an everyway supply of water has been awarded to the STONE & WEBSTER CORPORATION, 147 Milk St., Boston, Mass. F. A. McClure is City Engr.

Billerica, Mass.—The citizens have voted to issue $28,000 of bonds for the extension of the water mains in Boston and Concord Roads.

✚Lynn, Mass.—The city has awarded the contract for building a dam at Breed's Pond to E. F. DWELLEY, Exchange St., Lynn, at $40,649. Bids were opened on July 18. List of bidders noted on Aug. 10.

✚New Britain, Conn.—The water company has awarded a contract to SMITH & CO., Boston, Mass., for drilling artesion wells in the Woodford property.

New Britain, Conn.—Surveys are being made for the construction of a pipe line from Bunnell Brook to the Whigville Reservoir, a distance of about 5¼ miles. The Board of Water Commissioners has the work in charge.

New York, N. Y.—Bids were received as follows on Aug. 3, by Henry S. Thompson, Comr. Water Supply, Gas and Electricity, for furnishing, delivering and laying water mains and appurtenances and removing existing mains and appurtenances in Lewis and Reid Aves., Boro. Brooklyn: Walton Contracting Co., $30,112; Nelson & Dowling, $23,948; H. E. Fox, $24,090; R. Williams, $28,970; Beaver Eng. & Contracting Co., 22 William St., $23,578; Murphy Bros., $27,042, Robt. Carter Co., $26,266.

Bids were also received for (a) pipe, per ton, (b) specials per ton: Warren Foundry & Machine Co., (a) $24.50, (b) $50 and $52; Florence Iron Works, (a) $21.74 and $21.69, (b) $46.49 and $46.30; John Fox & Co., (a) $22.40 and $21.90, (b) $45.70; U. Cast Iron Pipe Foundry Co., (a) 21.70, (b) $47; Standard Cast Iron Pipe & Foundry Co., (a) $21.95 and $21.50, (b) $44.45 and $43.70.

Bids were received on Aug. 3 as follows by the Board of Water Supply for Contract 107, for furnishing and delivering certain apparatus and materials at designated localities and furnishing, delivering and installing certain other apparatus and materials in various structures along the Catskill Aqueduct, in Ulster and Putnam Counties, and in the Boro. of Brooklyn. The apparatus and materials consist of 233 6-in. to 54-in. gate-valves, two 40-in. blowoff valves, two hydraulic cylinders for 40-in. blowoff valves, four hydraulic cylinders for 54-in. gate valves, bronze and piping and miscellaneous appurtenances. Chapman Valve Mfg. Co., Indian Orchard, Mass., $121,629. A. P. Smith Mfg. Co., East Orange, N. J., $124,577; Pittsburgh Valve Foundry & Construction Co., Pittsburg, Pa., $131,656; Kennedy Valve Mfg. Co., Elmira, N. Y. and 57 Beekman St., New York, $139,701; Coffin Valve Co., Boston, Mass., $150,148.

Churchville, N. Y.—We are officially advised that Witmer & Brown, Engrs., Chapin Block, Buffalo, have been engaged by the village to prepare plans for the construction of a water-works system here. Estimated cost, $25,000.

Brockport, N. Y.—W. G. Stone & Son, Consult. Engrs., Mann Bldg., Utica, N. Y., have been engaged to prepare a report on additional water supply, artesian wells or other source for the Brockport Water Co., Brockport.

Mexico, N. Y.—W. G. Stone & Co., Consult. Engrs., Mann Bldg., Utica, N. Y., are preparing plans for the construction of a water-works system here, including pumping station.

✚Bridgeton, N. J.—We are officially advised that contracts were awarded, as follows, on Aug. 7 by the City Council for the construction of water filtration works and pumping station: Section 1, building and filters, to ATLANTIC CONSTRUCTION & SUPPLY CO., at $38,854; Section 1-A, filter equipment, to the PITT CONSTRUCTION CO., Pittsburg, Pa., at $13,500; Section 2, pumping engine, to PLATT IRON WORKS, Dayton, Ohio, at $8,475; Section 3, water-tube boilers, to FRANK TOOMEY, at $4,485; Section 4, chimney, to ALPHONS CUSTODIS CO., at $2,175.

Trenton, N. J.—Bids will be received by S. W. Kirkbride, Superv. at the State Prison, Trenton, until noon, Aug. 21, for furnishing, delivering and erecting complete the mechanical equipment and the sinking of one or more tubular deep wells for a water supply, comprising the following: One or more 8-in. diameter tubular deep wells, one air-lift pump with all connections, one duplex compound steam pump with all connections, one 20,000-gallon reinforced-concrete reservoir

Pittsburg, Pa.—Joseph G. Armstrong, Comr. Pub. Wks., has estimated the cost of repairing the Highland reservoir at $243,000, and recommends the construction of a by-pass around the reservoir, to cost $33,000.

✚Wernersville, Pa.—The contract has been awarded by the State of Pennsylvania, we are officially advised to the PITT CONSTRUCTION CO., of Pittsburg, Pa., for constructing a 500,000-gallon water filtration plant, 500,000-gallon reinforced-concrete covered reservoir, settling basin and appurtenances for water-works for the State Asylum for Chronic Insane at Wernersville, in accordance with plans and specifications prepared by Chester & Fleming, Consult. Engrs., Union Bank Bldg., Pittsburg.

Juniata, Pa.—The Borough Council has adopted plans for the construction of a 22,000,000-gallon reservoir.

West Reading, Pa.—Construction of a water-works system is being considered by the borough. C. B. Miller is Boro. Secy.

Williamsburg, Pa.—J. Luden Henry, Consult. Engr., Hollidaysburg, Pa., is preparing plans for an increased capacity of the dam supplying Williamsburg with water. From 300 to 400 cu. yds. of masonry and concrete water proofed, will be required.

Lawrenceville, Va.—The city has voted $50,000 of bonds for the construction of water-works, sewer system and an electric plant. J. B. McCrary, 1311 Empire Bldg., Atlanta, Ga., is Engr.

Charlotte, N. C.—We are officially advised that the Water Commissioners will purchase at once about nine miles of 24-in. c.-i. bell and spigot water pipe and probably will not advertise for bids but will reach manufacturers by letter. Gilbert C. White is Engr., Durham, N. C.

Tampa, Fla.—The City Engineer is preparing plans for two permanent dams to be erected on Elm Fork which will impound about 250,000,000 gallons each, and equipped with gates which will allow passage of silt and sediment. Estimated cost, $30,000 each. J. B. Winslett is City Secy.

✚Boaz, Ala.—The city has engaged J. B. McCrary Co., Empire Bldg., Atlanta, Ga., to prepare plans for the construction of water-works. Estimated cost, $20,000.

Clarksdale, Miss.—Bids will be received until Sept. 5 by the city for extensions to the water-works system. The work will include ten miles of 4, 6 and 8-in. water mains, air compressor, steam pump, boiler feed pump, four miles of 8 to 10-in. sanitary sewers, one-half mile 18 to 30-in. storm sewer and a 6-in. well. Estimated cost, $55,000. Plans are on file with M. W. Purnell, City Clk., and in the office of Walter S. Bobo, Supt. W.-Wks. Noted on July 20.

Shreveport, La.—The city is considering the installation of a municipal water plant. Plans and estimates will be prepared. E. L. McColgin, Secy. Shreveport Chamber of Commerce, is interested.

Kentwood, La.—The citizens on Aug. 1 voted in favor of installing a water-works system. Plans will be prepared at once.

Lafayette, La.—The city will spend $60,000 for improvements to the water and light plant. W. L. Eyres is Supt.

Monroe, La.—The city has decided to improve the water-works, including the laying of new water mains. Estimated cost, $75,000.

Cincinnati, Ohio.—Bids will be received by the Director of Public Service until noon, Aug. 24, for laying c.-i. pipe and special castings and valves and other miscellaneous work in connection therewith for the water distribution system of Cincinnati, under the Little Miami River at Union Bridge. Plans, specifications and blank proposals can be obtained at the office of the General Superintendent of the Water-Works Department. Noted on Aug. 10.

Oakley, Ohio.—Bids will be received by Oscar Kosche, Village Clk., until 12 noon, Aug. 26, for furnishing and laying a 6-in. water pipe, with the necessary appurtenances, in 30th and 33d Sts.

✚Columbus, Ohio.—The contract has been awarded to the UNITED STATES CONSTRUCTION CO. for the construction of the West Side water mains at $8,950.

Ironton, Ohio.—The city is considering spending $10,000 for laying 10 and 12-in. water pipe. J. M. Howell is Dir. Pub. Ser.

***Cleveland, Ohio.**—Bids will be received until noon, Aug. 31, by the Director of Public Service for wooden protection crib No. 5 for the proposed West Side tunnel extension for the city Water Department. Plans and specifications are on file at the office of Engineering News, New York.

Cherry Ill.—The citizens voted in favor of issuing $6,000 of bonds for the construction of a water-works system.

Eldorado, Ill.—The Fuller-Coult Engineering Co., Consult. Engrs., Chemical Bldg., St. Louis, Mo., will prepare plans for the construction of a water-works plant here.

Lake Bluff, Ill.—The Village Board has rejected all bids for the construction of a water-works system.

Chicago, Ill.—Bids will be received until Aug. 17 by L. E. McGann, Comr. Pub. Wks., for furnishing the material and constructing cut-off gates and coal spouts at the Chicago Ave. pumping station and until Aug 18, for the repair of chain-grate stokers and furnishing and setting boilers No. 1 and 2 at the 68th St. pumping station.

Rockdale, Ill.—Plans are being prepared for the installation of a water-works system here.

Springfield, Ill.—The city, it is reported, is considering laying a 36-in. watermain. Estimated cost, about $25,000.

New Lisbon, Wis.—All bids for the installation of a water-works system and electric light plant have been rejected. New bids will be received until 1.30 p. m., Aug. 23. A. H. Meyer is Engr., Appleton, Was. W. S. Sargent is City Clk.

Foxlake, Wis.—The town is considering the installation of a water-works and sewer system.

La Crosse, Wis.—A. T. Maltby, 20 West Jackson Boulevard, Chicago, Ill., has begun work on the plans for the construction of a new water system for the city. Two sets of plans are being prepared, one for a direct pressure system and the other making provision for a reservoir to give added pressure.

✚Neenah, Wis.—The Water Commission has awarded the contract for drilling an artesian well at the pumping station to the E. SWENSEN ARTESIAN WELL DRILLING CO., of Minneapolis, Minn., at $3.50 per ft. for 14-in. and $3 per ft. for 12-in. shaft.

✚Rice Lake, Wis.—Bids were received by the Board of Public Works on July 24 for water extensions. The contract has been awarded to HAYS & CO., of Minneapolis, Minn., at the following prices: 6,310 ft. c. i. water pipe, 23 lb. to the ft., $27.75 per ton; 2,390 ft. c. i. water pipe, 33 lb. to the ft., $25.60 per ton; castings, 2¾ cts. per lb., f.o.b. cars Rice Lake.

Wales, Wis.—The State Board of Control, M. J. Tappins, Secy., Madison, Wis., will receive bids until Aug. 23 for the construction of a reinforced concrete covered coal-house and a reinforced concrete reservoir at the Wisconsin State Tuberculosis Sanatorium, Wales. Plans have been prepared by Vaughn & Meyer, Consult. Engrs., Milwaukee, Wis. Dr. J. W. Coon is Supt.

Storm Lake, Iowa.—H. H. Steffen, City Clk., will receive bids until 7.30 p. m., Aug. 21, for the construction of a water-works, filter plant, and nine blocks of 4-in. water mains.

Wheatland, Iowa.—W. A. Templeton, Town Clk., will receive bids until 6 p. m., Aug. 31, for drilling an 8-in. well.

Coin, Iowa.—The citizens have voted the issuance of bonds for the installation of a water-works plant.

Algona, Iowa.—The citizens have voted to issue bonds for the enlargement of the water and electric light plant.

Prairieburg, Iowa.—Bids will be received until noon, Aug. 21, by J. J. Dolan, Clk., for drilling a water-works well 8 ins. in diameter and from 80 to 200 ft. deep.

West Liberty, Iowa.—Bids will be received until Aug. 25 by the city, for constructing a 270,000-gallon re-inforced concrete storage reservoir. Charles P. Chase, of the Iowa Engineering Co., Clinton, Iowa, is Engr. Irwin Aikin is Clk.

Alice (Hibbing post-office), **Minn.**—Oscar Widstrand, Village Clk., will receive bids until 8 p. m., Aug. 28, for the erection of a steel water tank of 100,000 gallons capacity; a concrete well, and the construction of water mains. A. E. Dyer is Engr., Hibbing.

Aurora, Minn.—Bids will be received until 8 p. m., Aug. 21 by C. H. Graham, City Recdr., for digging and refilling a ditch for water mains.

Duluth, Minn.—L. N. Case, Mgr., Water and Light Comn., will receive bids until 4 p. m., Aug. 17, for laying water and gas mains in the West End hillside system.

Eveleth, Minn.—D. P. McIntyre, City Clk., will receive bids until 8 p. m., Aug. 18, for laying 1,700 ft. of 6-in. water mains.

Rush City, Minn.—Bids will be received until Sept. 5 by the Village Recorder for an electric firepump and motor for excavating, fire mains, pipe and hydrants for fire mains and laying same.

Herington, Kan.—The citizens have voted against the proposition to issue bonds for $35,000 for enlarging the water system.

Omaha, Neb.—The citizens on Aug. 1 voted in favor of issuing bonds for $8,250,000 to purchase the water-works plant.

Benedict, Neb.—Bids will be received until Aug. 25 by M. L. Cavender, Village Clk., for constructing a complete water-works system here. The Alamo Engine & Supply Co. is Engr., Omaha. Neb.

Magnet, Neb.—Bruce & Standevin, Consult Engrs., Bee Bldg., Omaha. Neb., are preparing plans for a system of water-works for Magnet

Meadow Grove, Neb.—Bids will be received by the Board of Village Trustees for the construction of a water-works system, according to plans and specifications prepared by the Lytle Co., Archs., Sioux City, Iowa, on file with the Village Clerk. Bids for the construction of the wells are to be separate from the balance of the system. The engineer's estimate of the cost is $8,900 and no bids for more than that said estimate will be accepted. C. E. Harlow is Chn.; A. M. Fields is Clk.

✚Culbertson, Mont.—The contract for the construction of the water-works system here has ben awarded to the AMERICAN LIGHT & WATER Co., Scarritt Bldg., Kansas City, Mo., at $36,940.

Havre, Mont.—James G. Holland, City Clk., will receive bids until 8 p. m., Aug. 21, for laying a water main in District No. 26.

Manhattan, Mont.—Bids will be received until 7.30 p. m., Sept. 4, by the Town Council for the construction of a gravity system of water supply. Plans may be obtained from C. M. Thorpe, Engr., Bozeman, Mont. R. H. Dean is Town Clk.

Greenfield, Mo.—The citizens have voted to construct their own water-works system, the water to be obtained from a deep well.

Hannibal, Mo.—The city is considering the purchase of the water plant here for $275,000.

Bethany, Mo.—Burns & McDonnell, Consult. Engrs., Scarritt Bldg., Kansas City, Mo., are preparing plans for the construction of water-works and an electric light plant. Estimated cost, about $30,000.

***Kansas City, Mo.**—Bids will be received by the city until 2 p. m., Rug. 30, for the installation of batteries of water-tube boilers at both the Turkey Creek and Quindaro pumping stations of the water-works, in accordance with plans and specifications on file with the Board of Fire and Water Commissioners. E. B. Harrington, Secy.

Little Rock, Ark.—The contract has been awarded for laying about six miles of water mains in Pulaski Heights, at about $6,500.

✚Nocona, Tex.—The city has awarded the contract to KERWIN DRILLING CO. for drilling a deep well. The system will include a concrete pumping station, steel tower and tank of 50,000 gallons capacity and a concrete reservoir of 100,000 gallons capacity. Plans have been prepared by Fountain-Shaw Engineering Co., Dallas, Tex.

Dallas, Tex.—The City Council will probably award the contract soon for the construction of two permanent dams on Elm Fork for the water-works system, to have a capacity of about 250,000,000 gallons each. Estimated cost, about $30,000 each.

Calvert, Tex.—The City Council is considering the issuance of $35,000 of bonds for improvements to the water-works plant and distributing system and the sewer system.

✚Corpus Christi, Tex.—Bids were received on Aug. 4 by the city for 195 tons of 10-in. c.-i. pipe, class C; 24 tons of 6-in., class B; 12 tons of 4-in., class B, and 2½ tons of 8-in., class A. We are officially advised that the contract has been awarded to R. D. WOOD & Co., of Philadelphia, Pa. Thomas McKeown is Supt. W.-Wks.

Celeste, Tex.—The People's Water Co. has ben formed here with a capital stock of $6,000. The incorporators are D. R. Buchanan, H. E. Jones and G. D. Henslee.

Melissa, Tex.—The Melissa Water Works Co. will begin the laying of a distributing system to cover the whole town in a short time. It is erecting a 25,000-gallon steel tank and is sinking a well.

***Fort Worth, Tex.**—Bids will be received by the Board of Commissioners of Polytechnic at the office of the aMyor, Station "A," Fort Worth, until 2 p. m., Sept. 1, for the following water-works material: (1) one steel water tower and tank, capacity 100,000 gallons; height from foot of tower to top of tank, 125 ft., to be erected compleet in the city of Polytechnic, including foundation and inlet pipe. Complete builders' specifications and strain sheet must accompany each bid; (2) 2,100 ft. 8-in. c.-i. pipe, weighing about 47½ lbs. per ft.; 9,700 ft. of 6-in. c.-i. pipe, weighing about 33.3 lbs. per ft.; 3,600 ft. 4-in. c.-i. pipe, weighing about 21.5 lbs. per ft., and approximately 4½ tons of special castings, delivered f. o. b. cars Fort Worth. Separate bids for sections 1 and 2 will be considered. John Mead is Engr.

***Muskogee, Okla.**—The date for receiving bids for the pumping machinery plant has been postponed until Sept. 5. Bids were to have been received on Aug. 29.

✚Oklahoma City, Okla.—The City Commissioners have awarded the contract for the construction of the new concrete dam at the water-works reservoir to REINHART & DONOVAN at $9,339.

✚Brighton, Colo.—The Town Council has awarded the contract to PETER O'BRIEN, of Denver, Colo., for 9,000 ft. of extensions to the mains of the water system. Estimated cost, $10,000.

Denver, Colo.—The Henrylyn Irrigation District is preparing to let the contract, it is reported, for a 15,000-ft. tunnel west of Empire in Clear Creek County, and for the construction of feeder ditches to carry water from Williams Fork of the Grand River on the western slope into the Henrylyn District. Estimated cost, about $1,500,000.

Mount Morrison, Colo.—The town is considering the installation of a water-works system.

Phoenix, Ariz.—The lowest bid submitted on July 25 to the Water Users' Association for the proposed 3-mile extension of the Grand Canal is that of the Grant Bros. Construction Co., Security Bldg., Los Angeles, Cal., at $80,700. The work will involve the moving of 160,000 cu. yds. of earth.

Tacoma, Wash.—The City Council is considering the construction of 6-in. water mains in Local Improvement District No. 579, and in North 49th and 51st Sts., with hydrants, gates, tees, etc.

Carlton, Ore.—The citizens have voted to issue $40,000 of bonds for the installation of the new water-works system. Water will be brought from Panther Creek.

Gladstone, Ore.—The citizens have voted to issue $20,000 of bonds for the installation of a water system. Noted on June 8.

Hermiston, Ore.—The citizens have voted to issue $25,000 of bonds for the installation of a water system, calling for a 250,000-gallon reservoir, 140 ft. above the city, the water to be brought down in 12-in. mains. Noted on June 22.

North Bend, Ore.—The Council of this city and that of Marshfield have united with a view of securing data in regard to the construction of a municipal water-system to serve both cities. The cost of construction will be obtained and an engineer will make surveys and investigate other water supplies.

Portland, Ore.—The city is considering replacing the smaller mains on the east side with larger mains. D. D. Clarke is Engr. Water Bd.

+Chualar, Cal.—The contract has been awarded to ANTONIO FLORES, of Los Angeles, Cal., for the construction of 3,600 ft. of concrete irrigation pipe on the Malarin Branch near Chualar.

Fresno, Cal.—Bids will be received by D. M. Barnwell, Clk. Bd. Supervisors, until 2 p. m., Sept. 4, for the construction of steel water tank tower, on concrete base, 43 ft. high and to support two water tanks at Fresno County Orphanage, according to plans and .specifications on file with the Clerk.

Marysville, Cal.—The Chief Engineer of the Hallwood Irrigation District, Marysville, has recommended, it is reported, the construction of a tunnel 950 ft. long to bring water from the Yuba River. Estimated cost, $23,000.

Oxnard, Cal.—The Board of Trustees employed Olmsted & Gillelon, Consult. Engrs., Los Angeles, to proceed in the matter of the municipal water system. The issuance of $100,000 of bonds is proposed.

+Riverside, Cal.—The City Council has awarded the contract to the LOS ANGELES MFG. CO., at about $6,000, for constructing the pipe lines and irrigating system for Fairmount Park. The KEYSTONE IRON WORKS, Los Angeles, was awarded the contract for 75 new fire hydrants.

Yuba City, Cal.—Bids will be received by C. F. Williams, Secy. Bd. Trustees, Reclamation District No. 1001, Yuba City, until 10 a. m., Aug. 19, for clearing land and building levees in said reclamation district, in accordance with plans and specifications on file with the Board.

+*Manteca, Cal.—Bids were received on Aug. 5 by the Directors of the South San Joaquin Irrigation District at Manteca, for furnishing the materials for and constructing Contract Divisions 1, 2, 3, 4, 5 and 6 of their irrigation system. Contracts for Nos. 1 and 6 were awarded to T. K. BEARD, of Modesto, Cal. Contracts for Nos. 2, 3, 4 and 5 were not awarded, but will be taken up again soon. No. 1 includes the Goodwin Dam and headworks, and No. 2, the Goodwin damsite to Schell ditch. Edwin Duryea, Jr., is Ch. Engr., Humboldt Bank Bldg., San Francisco, Cal.

Pasadena, Cal.—The LACY MFG. CO., 334 North Main St., Los Angeles, Cal., has been awarded the contract for a 30-in. riveted steel pipe line from the distributing gate to reservoir No. 1 for the Pasadena Land & Water Co. and Lake Vineyard Land & Water Co.. Estimated cost, $37,000. The contract for tunnel work was awarded to BEN COOK of Anaheim. Allen Bros. are Engrs., Kendall Bldg., Pasadena.

Watsonville, Cal.—Plans and specifications for the installation of a water system here have been adopted.

***Dorris, Cal.**—The date for receiving bids for the construction of waterworks has been changed from Aug. 25 to Sept. 4. Noted on Aug. 3.

Redlands, Cal.—The Domestic Water Co. has commissioned Chas. G. Hyde of the University of California at Berkeley, to prepare plans for two sterilizing stations to be constructed at the reservoir in Bear Valley.

Tracy, Cal.—Plans by Sloan & Robson, Engrs., Nevada Bank Bldg., San Francisco, Cal., for the construction of the proposed water-works system to cost $35,000 are nearing completion.

Port Arthur, Ont.—The contract for constructing a service reservoir dam at Current River Park has been awarded by the city to SEAMAN & PENNIMAN of Port Arthur, at $31,755. Bids were opened on July 25.

Calgary, Alta.—Bids will be received by W. D. Spence, City Clk., until noon, Aug. 21, for the supply and erection in place of a 5,000,000 Imperial-gallon pump for city. The pump to be centrifugal in form and attached to a 500-HP. electric motor, with switch board, etc., complete. Suction lift of pump, 12 ft., delivery to be continuously efficient to maintain a pressure in the mains of 125 lbs. per sq. in.

Cardstan, Alta.—The citizens have voted a by-law providing for the installation of a water-works system. Estimated cost, $40,000. R. E. MacArthur is Engr., Lethbridge, Alta.

Red Deer, Alta.—The city is considering spending $54,000 for the construction of water-works and sewers.

SEWERAGE.

(**Denotes that this work is advertised in Engineering News.*)

Boston, Mass.—Bids will be received until Aug. 21 by the Department of Public Works for sewers in Jerome St., Dorchester. Louis K. Rourke is Comr.

Bids will be received until Aug. 18 by the Department of Public Works for sewerage works in Burlingame Way, West Roxbury, and in River St., Dorchester. Louis K. Rourke is Comr.

+The constract for a surface drain and sewer in Watson St., Roxbury, has been awarded to MICHELE DE SISTO & CO. Louis K. Rourke is Comr. Pub. Wks.

+Boston, Mass. — The contract for sewerage works in Talbot Ave., Dorchester, was awarded on Aug. 9 to MURPHY & DOLAN, at $8,110. Other bids were: M. DeSisto & Co., $9,095; A. Cefalo, $9,217; George J. Regan, $9,226; A. M. Cusack, $9,647; J. McCourt & Co., $10,118; D. E. Lynch, $10,595. L. K. Rourke is Comr. Pub. Wks.

New Bedford, Mass.—Bids have been received by the city for iron pipe for the intercepting sewer. There were three bids submitted for furnishing c.-i. pipe and special castings. The prices submitted on seven items by the Warren Foundry & Machine Co., New York, follow: No. 1, $23 per ton; No. 2, $24; No. 3, $26.50; No. 4, $48; No. 5, $23; No. 6, $24; No. 7, $80. The others bid on four items, as follows: Florence Iron Works, Philadelphia: No. 1, $21.19; No. 2, $28.25; No. 3, $34.45; No. 4, $82.24. U. S. Cast-Iron Pipe & Foundry Co.: No. 1, $24.70; No. 2, $29.70; No. 3, $29.70; No. 4, $64.70. W. H. B. Remington is City Clk.

North Reading, Mass.—Bids will be received until Aug. 21 by the State Sanatorium for the construction of a sewerage system. Ernest B. Emerson is Supt. and William S. Johnson, 101 Tremont St., Boston, is Engr.

Wrentham, Mass.—Bids will be received until Aug. 21 by the State School for the construction of sewers, concrete dosing tank and sand filters. Ellerton James is Chm of Trustees and William S. Johnson, 101 Tremont St., Boston, is Engr.

+Milford, Mass. — The contract for constructing Section 8 of the sewer system has been awarded to CENDELLA & CO., Milford, at $22,306.

+Ansonia, Conn.—Bids for constructing Section F of the sewer system have been received by the Board of Sewer Commissioners as follows: Brault & Davidson, Ansonia, Conn., $11,558; Antonio Conti & Co., Hartford, Conn., $11,194; O'Neill Bros. & Nero, Hartford, Conn., $9,124; EDWARD TRACEY, Derby, Conn., $8,873 (awarded. contract). The items were: 1,664 ft. of 12-in., 800 ft. of 10-in., 8,934 ft. of 8-in. vitrified pipe sewer, and 54 manholes.

Ansonia, Conn.—V. B. Clarke, City Engr., is preparing plans and specifications for the further extension of the sewer system. Bids will be received until Sept. 7.

***Fairport, N. Y.**—Bids will be received by the Board of Trustees until 8 p. m., Aug. 24, for constructing a sewer on High and East Sts. The approximate quantities are: 1,000 lin. ft. of 15-in. V. T. P. sewer; 450 lin. ft. of 12-in. V. T. P. sewer; 205 lin. ft. of 10-in. V. T. P. sewer; 1,507 lineal ft. of 8-in. V. T. P. sewer; 15 surface laterals, 81 lot laterals, four manholes, nine lamp holes. R. L. Williams is Village Clk.

***Franklinville, N. Y.**—Bids will be received by the Board of Trustees until noon, Aug. 30, for constructing about six miles of pipe sewers, with manholes and other accessories and sewerage treatment work. Plans are on file at the office of the Board. T. K. Button is Pres. Charles C. Hopkins, Cutler Bldg., Rochester, N. Y., is Engr.

+Yonkers, N. Y.—The Board of Contract and Supply has received bids as follows for constructing house and storm water sewers and appurtenances in Montague St., from Nepperhan Ave. to Morsemere Pl., and in Morsemere Pl. from Montague St. 387 ft. northward: O'ROURKE CONSTRUCTION CO., $14,400 (awarded contract); Charlton & Weston, $14,674; Andrew Fischer, $14,775; McDonald & Murray, $15,300; Kelley & Hannifin, $15,733. Joseph L. Cuozza, $17,179; Ferguson & Callahan, $17,700; Frank Cianfaglione, $18,000; Russell & Canepi, $21,000.

The Board of Contract and Supply will receive bids until Aug. 21 for constructing a sewer in Alder St.; grading Sherwood Ave., from St. James Terrace to Ridgewood Ave.; constructing a sewer in and grading Palisade Ave., from Roberts Ave., 685 ft. James J. Mahoney is Secy.

+Frankfort, N. Y.—The contract for installing a sewer system here has been awarded by the Sewer Commissioners to JOHN R. BAXTER, JR., of Utica, N. Y., at $56,385.

Monmouth Beach, N. J.—The Borough Council has adopted the plans submitted by Clyde Potts, Consult. Engr., 30 Church St., New York, for the construction of a closed sewer with an ocean outlet. Estimated cost, $65,000.

***Westfield, N. J.**—Bids will be received by Charles Clark, Town Clk., until 8 p. m., Sept. 5, for constructing about 2,750 lin. ft. of 8-in. sanitary sewers and appurtenances.

Beaver Falls, Pa. — The Borough Council has instructed Leo Hudson, Engr., to prepare two sets of plans for the construction of a sewer system. Bids will be asked on both.

College Hill (Beaver Falls postoffice), Pa.—The Council of College Hill has decided to install a sewer system to cost $75,000.

York, Pa.—We are officially advised that plans are being prepared for a storm sewer system to drain the entire city. George A. Warner is City Engr.

***Baltimore, Md.** — Bids will be received by Richard Gwynn, City Register, until 11 a. m., Sept. 6, for constructing sanitary lateral sewers in District 20-B, for constructing Section No. 4 of the high level interceptor, and for building storm water drains, Storm Water Contract No. 13. Plans are on file at the office of Calvin W. Hendricks, Ch. Engr. Sewerage Comn. The approximate quantities are: Lateral sewers in District 20-B, Sanitary Contract No. 74: 61,785 lin. ft. vitrified pipe sewer 8-in. to 24-in. diameter, 510 cu. yds. concrete masonry, 3,000 lin. ft. underdrains, 4,100 lin .ft. manholes, 348 manhole frames and covers, 100 drop connections for lateral sewers, 25,800 lin. ft. vitrified pipe house connections, 3,990 branches on 6-in. to 24-in. pipe, 1,100 lin. ft. vitrified pipe standpipes. Section No. 4, High Level Interceptor, Sanitary Contract No. 75: 11,000 cu. yds. ebcavation in trench for 82-in. diameter brick and concrete sewer, 1,336 lin. ft. excavation in trench for 82-in. diameter brick and concrete sewer, 450 cu. yds. brick masonry, 3,125 cu. yds. concrete masonry. Storm Water Drains, Storm Water Contract No. 13: 21,800 cu. yds. excavations for 138 × 99 in. drain, 16,600 lin. ft. vitrified pipe circular drain 15-in. to 45-in. diameter, 6,090 lin. ft. inlet connections 12-in. to 18-in diameter, 450 cu. yds. brick masonry, 3,544 cu. yds. concrete masonry, 289,820 lbs. reinforcing steel, 5,500 lin. ft. under drains, 3,500 cu. yds. embankment, 4,400 cu. yds. rock excavation, 808 lin. ft. manholes and drop wells, 196 inlets, 250 lin. ft. granite curb, 350 lin. ft. resetting curb, 50 sq. yds. repaving.

+Baltimore, Md.—The Board of Awards has awarded contract to B. F. SWEETEN & SON, 2303 Pennsylvania Ave., Baltimore, at $29,093, for installing valves and discharge piping in the sewerage pumping station; Calvin W. Hendrick, is Ch. Engr. Sewerage Comn., 904 American Bldg.

+Chapel Hill, N. C.—The contract has been awarded to STREETER & ANDERSON, of Gaffney, S. C., by the city for the installation of a sewerage system.

Fayette, Ala.—The City of Fayette, Ala., is planning for the construction of four or five miles of sewers. Estimated cost, $25,000.

Clarksdale, Miss. — See item under Water Supply-Irrigation.

+Nashville, Tenn.—Bids were received on Aug. 10 by the city for about seven miles of sewers. We are officially advised that the contract was awarded to the E. T. LEWIS CO. of Nashville, at $279,633.

***Louisville, Ky.**—We are officially advised that bids were received as follows on Aug. 4, by the Sewerage Commission for constructing Section D, Middle Fork sewer, Contract 82, and the 34th St. sewer, Contract No. 83: Contract 92: Henry Bickel Co., Louisville, $19,330; C. T. McCracken & Co., Columbus, Ohio, $24,227. Contract 83: C. T. McCracken & Co., $7,480; Henry Bickel Co., Louisville, $8,078; B. C. Milner Sons Co., Louisville, $12,206. J. B. F. Breed is Ch. Engr. Comn.

+Ada, Ohio.—The contract has been awarded to the VAN METER CONSTRUCTION CO. for the construction of the Ada sewer ditch No. 309. The County Commissioners announced that the award had been made to Houker & Williams of Springfield, whose bid, $26,532, at the time was believed to be the lowest. After a revision of the bids it was found that the Van Meter Co. was the lowest bidder. Noted on Aug. 18.

Bremen, Ohio.—Bids will be received by C. E. Thompson, Village Clk., until noon, Aug. 18, for constructing lateral sewers in Storm Water Sewer District No. 12.

Bucyrus, Ohio.—Bids will be received by Adam Ulmer, Dir. Pub. Ser., until noon, Aug. 23, for the construction of storm water sewers. F. L. Liederheiser, is City Engr.

Cincinnati, Ohio.—Bids will be received by the Directors of Public Service, City Hall, until noon, Aug. 22, for the construction of sewers in Sauer Ave., from Parker St., to a point 400 ft. south.

Canton, Ohio. — Plans for the construction of a modern sewage disposal plant here will probably be prepared soon. R. Winthrop Pratt, Ch. Engr. State Board of Health, has recommended the improvement.

St. Bernard, Ohio.—Bids will be received by George Schroeder, City Clk., until noon, Aug. 22, for the construction of a storm water sewer from Church St. to present sewer at Bertus St. playgrounds, according to the plans and specifications on file in the office of Emil J. Heckle, City Engr., Gerke Bldg., Cincinnati, Ohio.

Terre Haute, Ind.—The City Council has passed an ordinance ratifying the action of the Board of Public Works in ordering the construction of $100,000 worth of sewers to be paid for out of the general fund. Work to commence Oct. 1. Bids will be received until Sept. 1. There will be 24 sewers in all.

Detroit, Mich.—The Common Council has confirmed the contracts of the Department of Public Works, J. J. Haarer, Comr., for the following public sewers: Carbon Ave. sewer, to S. AFFELD, 76 Campbell Ave., at $[illegible]54; also Dix Ave sewer at $6,016; Wessen Ave. sewer to GEORGE R. COOKE, 1109 Ford Bldg., at $13,639; Dexter Boulevard sewer, to J. H[illegible]EY, 30 McGraw Bldg., at $3,696; also 23rd St. sewer, at $8,882; to JAMES MERCIER, 211 Hammond Bldg., for the Fairview Ave. public sewer, at $[illegible]23. Length, 6,443 lin. ft.

Reed City, Mich.—The citizens on Aug. 8 voted to issue $[illegible]00 of bonds for improvements to the sewer system. George C. Morgan, 16[illegible] West Jackson Blvd., Chicago, Ill., is Engr.

+Bloomington, Ill.—The Board of Local Improvements has awarded the contract for the construction of the Poplar St. sewer to FRANK SULLIVAN, of Bloomington.

Clinton, Iowa.—The City Council has instructed R. C. Hart, City Engr., to prepare plans and specifications for constructing sewers in the Fourth Ward, known as Sewer District No. 3. Estimated cost, between $100,000 and $125,000.

Reinbeck, Iowa. — We are officially advised that plans are being prepared for a sewer system. Charles P. Chase, of the Iowa Engineering Co., Clinton, Iowa, is Engr.

Mason City, Iowa.—Bids will be received by the City Council until 8 p. m., Aug. 21, for the construction of 3,455 lin. ft. of 8-in. pipe sewer. J. H. McEwen, is City Clk.

***Wapello, Iowa.**—Bids will be received until 4 p. m. Aug. 31, by Jno. G. Keck, City Recdr., for the construction of a sewer in several streets.

+Ely, Minn.—The City Council has awarded the contract for the construction of the proposed trunk sewers to H. L. BARTLETT, of Virginia, Minn., at $12,000. The contract calls for the construction of trunk sewers, one for sanitary purposes and one for storm sewer use, and a sedimentation tank to be connected with the sanitary sewer.

Montevideo, Minn.—Bids will be received until 8 p. m., Aug. 21, by M. E. Chamberlin, City Clk., for the construction of about 3,200 ft. of vitrified pipe sewer, with manholes and specials.

Manhattan, Kan.—The City Council has organized Sewer District No. 2, which includes the recent additions to the town. The City Engineer has been instructed to prepare estimates for the system and for extensions to the water mains to cover the territory.

+Wichita, Kan. — The contract has been awarded to W. W. COOK & SON, of Junction City, Kan., by the city, for the construction of sub-main C of Sewer No. 2, at $8,158.

The City Commissioners have adopted ordinances for the construction of storm water sewer Section A and Section C of sanitary sewer No. 20. Section A will be constructed in Main St. and Douglas St., to drain the business part of the city. Section C includes that portion of the city between Harry and Levy Sts., from the Arkansas River to sanitary sewer district No. 1.

Minot, N. Dak.—We are officially advised that all bids received on July 31 for constructing a sewage pumping station, have been rejected. L. J. Thompson is City Clk. Noted July 27.

Thermopolis, Wyo.—The city has sold bonds for $20,000 for the construction of a system of sewers. J. B. Chessington is City Engr.

+Kansas City, Mo.—A contract has been awarded to MICHAEL WALSH for 14,000 ft. of sewer in the territory between Oak St. and the Country Club and 50th and 54th Sts.

+Little Rock, Ark.—The contract has been awarded to CHARLES TURKIS for constructing a storm sewer, curbing, etc., in West 24th St., and in Schiller Ave., from 24th to 25th Sts.

Dallas, Tex.—The City Commission has instructed the City Secretary to advertise for bids for the construction of a storm sewer, through Winnetka Heights. The cost of the proposed improvement will be about $12,000.

The Board of City Trustees will receive bids until Aug. 21 for the construction of pipe sewers, requiring the following material, all salt glazed vitrified pipe: 51,900 ft. of 6-in pipe, 11,517 ft. of 8-in. pipe, 7,084 ft. of 10-in. pipe, 4,533 ft. of 12-in. pipe, 55 light wells, 168 manholes, 51 flush tanks.

+Alamosa, Colo. — We are officially advised that the contract for constructing 6,000 ft. of 10-in. and 18-in. tile sewer has been awarded to MARSHALL BROS., Las Animas, Colo., at $9,600. C. B. Sampson is City Engr. Noted July 20.

Nogales, Ariz.—The city is considering the installation of a sewer system. Estimated cost, $60,000.

+Shelton, Wash. — The city has awarded the contract to McKIM & NEVINS, of Puyallup, Wash., for the construction of a sewer system at $[illegible]929. The work includes laying complete, with all labor necessary, 18,000 ft. of vitrified pipe, 6, 8 and 10 ins. in diameter, 32 manholes, 32 lamp holes, two flush tanks, intakes, iron pipe and all needed accessories. Bids were opened on July 20.

✚Seattle, Wash.—The Board of Public Works has awarded to NELSON & CARLSON the contract for the construction of sewers in Eleventh Ave. and other streets, at $8,350, and to DAHLSTROM & RODAL for sewers in North 66th and other streets, at $21,964.

✚Klamath Falls, Ore.—A contract for sewer construction has been awarded to T. H. SIMPSON, at $12,979.

Hood River, Ore.—Following are the bids received for constructing sewers, opened on Aug. 5: (a) District 2; (b) District 6, (c) District 7; Jacobsen-Bade Co., Portland, Ore, (a) $1,641.00, (b) $10,568.50, (c) $2,158.50; Jeffrey & Bufton, Portland, Ore., (a) $1,894.90; (b) $10,894.90, (c) $2,334.20; Hugh McLain, Portland, Ore., (a) $2,186.30, (b) $12,283.30, (c) $2,427.60; R. D. Gould, Hood River, (a) $2,034.38, (b) $11,445.75, (c) $2,382[illegible]. The contract will probably be awarded to the Jacobson-Bade Co.

The work of paving the streets, for which bids were opened some time ago, will probably be postponed until the water system pipes are laid, which is not likely to be this year.

Cement sidewalks will be laid throughout the paving district, which is now being graded, and also along residence streets in different parts of the city. Grading of other streets is also being considered. H. B. Langilee is City Recdr.

Santa Maria, Cal.—The Board of Trustees has commissioned Haviland & Tibbitts, Engrs., of San Francisco, to prepare plans for the proposed sewer system, to cost about $60,000, and be 6,300 ft. long besides the outfall sewer.

Lemoore, Cal.—Bids will be received at office of E. T. A. Bartlett, City Clk., until 8 p. m., Sept. 11, for construction of a sewer system. Plans, specifications on file with said clerk.

Bakersfield, Cal.—The city is considering the installation of a sewer system. Estimated cost, $100,000.

Oakland, Cal.—The City Council has adopted resolutions providing for the construction of sewers in the following streets: Kanning St., Mabel Ave., Franklin Ave., Manila Ave, near Broadway, Hopkins St. and Rose Park.

✚San Bernardino, Cal.—The contract has been awarded, it is reported, to ERNEST FRENZELL, of Redlands, Cal., by the Atchison, Topeka & Santa Fe Ry. Co., for the construction of e sewer in this city, at $15,000.

✚San Mateo, Cal.—A contract for constructing a septic tank and sewers has been awarded to J. A. WILSON, San Mateo, at $23,000, and for constructing a pumping station, to the UNITED IRON WORKS, San Francisco.

✚Winters, Cal.—A contract for constructing a sewer system according to plans prepared by Haviland & Tibbits, San Francisco, has been awarded to the DOZIER CONSTRUCTION & ENGINEERING CO., Sacramento, Cal., at $20,370. Noted July 27.

✚Toronto, Ont.—We are officially advised that contracts have been awarded as follows: 280 lin. ft. 30-in c.-i. pipe, CANADA FOUNDRY CO., at $2,473; 5,984 lin. ft. 42-in reinforced-concrete pipe, LOCK JOINT PIPE CO., 165 Broadway, New York, at $13.92 per 4-ft. length; 1,985 lin. ft. 30-in. concrete pipe, Jennings & Ross, Toronto, at $1.99 per ft.; 2,315 lin. ft. 36-in. reinforced-concrete pipe, JENNINGS & ROSS, at $2.34 per ft.; a low level interceptor, Don syphon, MILLER, CUMMING & ROBERTSON, at $14,800. Noted July 21.

North Toronto, Ont.—Bids will be received by A. J. Brown, Mayor, until 6 p. m., Aug. 28, for the construction of screening chambers, sedimentation tanks, and filter beds, etc. Specifications may be obtained at office of T. Aird Murray, Consult. Engr., 303 Lumsden Bldg., Toronto.

Saskatoon, Sask.—Bids will be received by the City Commissioners until noon Aug. 18, for the following work and materials: Contract No. 97, 1,080 lin. ft. 15-in. vitrified tile pipe, 2,150 lin. ft. 12-in., 1,760 lin. ft. 10-in., 6,840 lin. ft. 8-in., 2,865 lin. ft. 8-in; 2,205 lin. ft. 42-in. reinforced concrète pipe. Contract No. 98, furnishing 2,205 lin. ft. reinforced concrete sewer pipe; and six reinforced concrete manholes, 42-in. in diameter. Contract No. 99, furnishing 40 manhole frames and covers, and 92 catch basin gullies. Contract No. 100, laying approximately 21,600 sq. yards of pavement, and grading incident thereto. Plans, etc., may be seen at the offices of George T. Clark, City Engr., Saskatoon.

STREETS AND ROADS.

(**Denotes that this work is advertised in Engineering News.*)

Boston, Mass.—Bids will be received by the Department of Public Works until Aug. 21, for wood block pavement on Dudley St., between Guild Row and Harrison Ave., Roxbury. Louis K. Rourke is Comr. Pub. Wks.

Bids will be received by Department of Public Works until Aug. 23 for paving Berkeley St., St. James Ave., Stanhope and Tremont Sts. Louis K. Rourke is Comr. Pub. Wks.

✚The contract for surfacing 15,000 ft. of state highway in Hadley has been awarded to F. J. MAGUE, Newton, at $6,888. Other bids were: Lane Construction Corpn., $6,975; W. N. Flynt Granite Co., Monson, $7,435. Harold Parker is Chn. State Highway Comn.

Haverhill, Mass.—An appropriation for $30,000 for the construction of a macadam road on Main St., has been made, the State Highway Commission having agreed to extend this highway from North Andover to Ward Hill, thus furnishing a complete macadam highway between Haverhill and Boston. George E. Hutchins is City Engr.

Hartford, Conn.—Bids for state road work were received at the office of the State Highway Commissioner, Capitol, Hartford, on Aug. 10, as follows:

Town of Cornwall, 6,125 lin. ft. heavy grading on the Bunker Hill Road, travel-way 14 ft. (a) grading, (b) telford, (c) rubble drain per lin. ft., (d) cobble gutters per sq. yd., (f) masonry walls per cu. yd. Goodman & Trumbull, Litchfield, (a) $9,238, (b) 90 cts., (c) $1, (d) 60 cts., (f) $5; Stermberg & Cadwell, West Hartford, (a) $9,600, (b) 75 cts., (c) $1.26, (d) 75 cts., (e) $5.50; Joseph D'Aloia, Clinton, Conn., (a) $10,600, (b) 85 cts., (c) 75 cts., (d) 55 cts., (e) $5; B. D. Pierce, Jr. Co., Bridgeport, (a) $9,000, (b) 80 cts., (c) $1, (d) 65 cts., (e) $8; A. D. Bridge's Sons, Inc., Hazardville, (a) $8,325, (b) 60 cts., (c) $1, (d) 60 cts., (e) $6; John DeMichiel & Bro., (a) $7,693, (b) 80 cts., (c) $1, (d) 50 cts., (e) $5; B. N. Beard Co., Shelton, Conn., (a) $7,200, (b) 75 cts., (c) $1, (d) 50 cts., (e) $5; Mascetti & Holley, Torrington, (a) $7,800, (b) 60 cts., (c) 60 cts., (d) 75 cts., (e) $3.75; Caesar Rossi, Torrington, (a) $10,375, (b) 78 cts., (c) 75 cts., (e) $5.25; A. Brazos & Sons, Middletown, Conn., (a) $13,400, (b) 40 cts., (c) 80 cts., (d) 70 cts., (e) $6.

Town of Beacon Falls, 1,100 lin. ft. graded telford road (medium heavy) on the River Road. (a) grading, (b) telford (c) rubble drain. John J. Davidson, Waklee Ave., Ansonia, (a) $1,695, (b) 85 cts.; Edward B. Riley, Beacon Falls, (a) $1,860, (b) $3.20, (c) 75 cts.; E. G. Pardee, Bethany, (a) $1,097; Edward McManus, Waterbury, (a) $2,375, (b) $1.95, (c) $1; L. F. Merritt, Stamford, Conn., (a) $2,150.50, (b) $2.75, (c) $1.50; John de Michiel & Bro., Torrington, (a) $1,050, (b) 60 cts., (c) $1; David Jenks, Wilton, (a) $2,000, (b) 75 cts., (c) 75 cts.; B. N. Beard Co., Shelton, (a) $3,200, (b) 75 cts., (c) $1.

Town of Granby, 7,606 lin. ft. macadam-telford road, medium grading including abutments for two bridges on the Simsbury Road 14-ft. travel-way. (a) macadam, (b) telford, (c) rubble drain, (d) concrete abutment, (e) masonry abutment, (f) retaining walls. John De Michiel & Bro., Torrington, (a) $2.98, (b) $3.38, (c) $1, (d) $1,500, (e) $1,800, (f) $6; Persen Eng. & Cons. Co., Bristol, (a) $3.27, (b) $4.25, (c) $1, (d) $800, (e) $750, (f) $6; A. Vito, Thompson, (a) $1.58, (b) $2.75, (c) $1.25, (d) $14 per cu. yd., (e) $8 per cu. yd., (f) $7.75; F. Arrigoni & Bro., Middletown, (a) $2.19, (b) $2.69, (c) $1.25, (d) $850, (e) $700, (f) $6; A. D. Bridge's Sons, Inc., Hazardville, (a) $2.53, (b) $3.13, (c) $1, (d) $1,500, (f) $6.50; Mascetti & Holly, Torrington, (a) $2.05, (b) $2.75, (c) 75 cts., (d) $840, (e) $630, (f) $5; A. Brazos & Sons, Middletown, (a) $2.35, (b) $2.75, (c) 80 cts., (d and e) $700, (f) $5.

Town of Washington, 1,707 lin. ft. macadam-telford on the New Milford Road, heavy grading, 14-ft. travel way. John de Michiel & Bro., Torrington, $3.67 per lin. ft. for macadam, $4.13 for telford, $1 per lin, ft. for rubble drain; B. D. Pierce, Jr. Co., Bridgeport, $2.27, $3.07, $1; A. D. Bridge's Sons, Inc., Hazardville, $3.93, $4.53, $1; Mascetti & Holly, Torrington, $3.60, $4.10, 75 cts.; Caesar Rossi, Torrington, $2.39, $2.22, 85 cts.

Town of Stamford, 1,840 lin. ft. macadam-telford on the Bedford Road, 16-ft. travel way, medium grading, L. F. Merritt, Stamford, $3.84 per lin. ft. for macadam, $4.50 for telford, $1.25 for rubble drain.

Town of Watertown, 1,900 lin. ft. macadam or gravel-telford on the Litchfield Road, heavy grading, 14-ft. travel way, (a) macadam, (b) telford, (c) gravel, (d) rubble drain, (e) cobble gutters, sq. yd. A. D. Bridge's Sons, Inc., Hazardville, (a) $4.97, (b) $4.57, (d) $—, (e) 60 cts.; David Jenks, Wilton, (a) $4.75, (b) $4.75, (c) $4.20, (d) 75 cts., (e) 60 cts.; Edward McManus, Waterbury, (a) $3.50, (b) $4.50, (c) $3.35, (d) $1, (e) 75 cts.; Mascetti & Holley, Torrington, (a) $3.75, (b) $4.25, (c) $3.30, (d) 75 cts., (e) 75 cts.

Town of Windham, 3,449 lin. ft. macadam-telford on Columbia Ave., light grading, 14-ft. travel way. Pierson Eng. & Cons. Co., Bristol, $2.65 for macadam, $3.15 for telford, $1.25 for rubble drain; A. Vito Co., Thompson, $1.55, $2.45, $1; F. Arrigoni & Bro., Durham, $2.63, $3.10, $1.25; B. D. Pierce, Jr. Co., Bridgeport, $2.17, $3.07, $1; Jenks & Porcaro, Willimantic, $2.95, $3.45, 70 cts.; Ahern Bros., Willimantic, $2.12, $2.67, 90 cts.; A. Brazos & Sons, Middletown, $2.20, $2.55, 80 cts.

Town of Windham, 8,515 lin. ft. gravel-telford on the Norwich Tpk., 14-ft. travel way, medium grading, including a concrete arch culvert, 8-ft. span: A. Vito Co., Thompson, $1.17 for gravel, $2.17 for telford, $1 for rubble drain; Sternberg & Cadwell, West Hartford, $2.11, $2.86, $1; F. Arrigoni & Bro., Durham, $1.68, $2.23, $1.25; B. D. Pierce, Jr. Co., Bridgeport, $1.60, $2.30, $1; Pierson Eng. & Cons. Co., Bristol, $1.44, $1.90, $1.10; William Wilcox, Norwich, $1.63, $2.23, $1.25; Jones & Porcaro, Willimantic, $1.45, $2.42, 70 cts.; Ahern Bros., Willimantic, $1.21, $1.81, 90 cts.; B. N. Beard Co., Shelton, 98 cts., 80 cts., $1; A. Brazos & Sons, Middletown, $1.49, $1.86, 80 cts.

Town of Lebanon, 425 lin. ft. gravel-telford on the Norwich Tpk., 14-ft. travel way, medium grading: Pierson Eng. & Cons. Co., Bristol, $1.34 for gravel, $1.84 for telford, $1.10 for rubble drain; A. Vito Co., Thompson, $1.17, $2.17, $1; Sternberg & Cadwell, West Hartford, $1, $1.75, $1; F. Arrigoni & Bro., Durham, $1.68, $2.23, $1.25; B. D. Pierce, Jr. Co., Bridgeport, $1.45, $2.25, $1; William Wilcox, Norwich, $1.63, $2.23, $1.25; Jones & Porcaro, Willimantic, $1.45, $2.42, 70 cts.; Ahern Bros., 75 cts., $1.35, 95 cts.; B. N. Beard Co., Shelton, 98 cts., 80 cts., $1; A. Brazos & Sons, Middletown, $1.55, $1.86, 80 cts.

Town of Windsor, 6,007 lin. ft. macadam-telford, on the Springfield Tpk., medium grading, 16-18-ft. travel way; Pierson Eng. & Cons. Co., Bristol, $2.17 for macadam, 80 cts. for rubble drain; Thomas Kearney, Meriden, $2.32, 90 cts.; A. D. Bridge's Sons, Inc., Hazardville, Conn., $2.69, 80 cts.; A. Brazos & Sons, Middletown, $2.45, $1.

Town of East Haddam, 5,624 lin. ft. macadam-telford road, on the Colchester Tpk., medium grading, 14-ft. travel way: (a) all trap, (b) telford, (c) native stone, (d) telford, (e) rubble drain, (e) cobble gutters, (f) masonry walling, cu. yd. Donahue Bros., Middletown, (a) $2.34, (b) $2.99, (c) $1.96, (d) $2.61, (e) $1, (f) 65 cts., (g) $5; Roger Kennedy, Middletown, (a) $2.86, (b) $3.51, (c) $2.45, (d) $3.10, (e) $1.25, (f) 60 cts., (g) $5.50; F. Arrigoni & Bro., Durham, (a) $2.70, (b) $3, (c) $1.99, (d) $2.30, (e) $1.25, (g) $5.50; Pierson Eng & Cons Co., Bristol, (a) $3.25, (b) $3.75, (e) 80 cts, (f) 90 cts., (g) $6; Tony Leo, Thompson, (a) $2., (b) $2.40, (c) $1.90, (d) $2.32, (e) 99 cts., (f) 45 cts., (g) $5.50; Suzio & Toner, Meriden, (a) $2.65, (b) $3.65, (c) $2.18, (d) $3.18, (e) $1, (f) 65 cts., (g) $6; A. Brazos & Sons, Middletown, (c) $2.45, (d) $2.85, (e) 80 cts., (f) 70 cts., (g) $5.50.

Town of Saybrook (Deep River post-office), 5,800 lin. ft. macadam or gravel road on the Killingworth Tpk., 14-ft. travel way, heavy grading. (a) macadam, (b) telford, (c) gravel, (d) telford, (e) rubble drain, (f) cobble gutters, (g) masonry walling: Roger Kennedy, Middletown, (a) $3.49, (b) $4.14, (e) $1.25, (f) 60 cts., (g) $5.50; F. Arrigoni & Bro., Durham, (a) $3.42, (b) $3.60, (c) $3.36, (d) $3.56, (e) $1, (f) 65 cts., (g) $5; Tony Leo, Thompson, (a) $2.05, (b) $2.40, (c) $1.73, (d) $2.28, (e) 99 cts., (f) 45 cts., (g) $5.50; Pierson Eng. & Cons. Co., Bristol, (a) $3.72, (b) $4.10, (c) $3.50, (d) $3.80, (e) $1, (f) 75 cts., (g) $6; Suzio & Toner, Meriden, (a) $2.73, (b) $3.73, (c) $2.18, (d) $3.18, (e) $1, (f) 65 cts., (g) $6; A. Brazos & Sons, Middletown, (a) $2.98, (b) $3.28, (c) $2.44, (d) $2.84, (e) 80 cts., (f) 65 cts., (g) $5.50. Noted Aug. 10.

✚Willimantic, Conn.—The contract for constructing about 1,850 sq. yds. of block paving on Main St., from Bank to High Sts. was awarded on Aug. 7 to A. J. LANGEFELD, of Hartford, Conn., at $2.67 per sq. yd.

New York, N. Y.—Bids will be received by Alfred E. Steers, Pres. of the Boro. of Brooklyn, until 11 a. m., Aug. 23, for regulating and repaving with granite pavement, grade 1, on a concrete foundation, the roadway of Manhattan Ave., from Newtown Creek Bridge to Driggs Ave., together with all work incidental thereto.

Bids will be received by Alfred E. Steers, Pres. of the Boro. of Brooklyn, until 10.30 a. m., Aug. 25, for improving various streets and avenues in the Borough of Brooklyn.

Bids will be received by Alfred E. Steers, Pres. of the Boro. of Brooklyn, until 10.30 a. m., Aug. 26, for improving various streets and avenues in the Borough of Brooklyn.

Bids will be received by Thomas W. Whittle, Comr. Pub. Wks. and Act. Pres., Boro. The Bronx, until 10.30 a. m., Aug. 22, for paving, grading, and otherwise improving various streets.

Bids will be received by Lawrence Gresser, Pres. Boro. Queens, until 11 a. m., Aug. 22, for regulating, grading, paving and otherwise improving various streets.

New York, N. Y.—See item under Miscellaneous Contracts—Tunnel Street New York, N Y.

New York, N. Y.—The following were the lowest bidders on July 31: For asphalt block pavement in Manhattan Borough, Harlem Construction Co., at $42,008; for widening roadway and repaving with sheet asphalt with close binder on a concrete foundation 43d St. from Lexington Ave. to Eighth Ave. (except between Broadway and Seventh Ave. and south side from Fifth to Sixth Aves.), Sicilian Asphalt Co., at $54,501; for widening roadway and repaving with sheet asphalt with close binder on a concrete foundation 34th St. from the west side of Madison Ave. to the east side of Eighth Ave., Manhattan Borough, Barber Asphalt Co., at $47,980; for widening and repaving with wood block on concrete foundation 34th St. from Madison Ave. to Eighth Ave., U. S. Wood Preserving Co., at $54,881; for widening roadway and repaving with wood block on a concrete foundation 42d St. from Lexington Ave. to Eighth Ave. (except between Broadway and Seventh Ave. and south side from Fifth to Sixth Aves), Republic Construction Co., at $65,798.

✚Rochester, N. Y.—A contract for paving Richard St. with macadam has been awarded to the ROCHESTER VULCANITE PAVING CO. at $28,037.

✚Utica, N. Y.—The contract for paving a portion of Neilson St. a distance of 2,185 ft. with bitulithic and artificial stone curb, has been awarded to WARREN BROS. CO., Boston, Mass., at $9,776. Noted on July 27.

***✚Bridgeton, N. J.**—We are officially advised that the contract for improving 7.694 miles of gravel road, was awarded on Aug. 9 to RICHMAN & CIAG, Cedarville, N. J., at $16,986. B. Erickson is Chn. Road Comn. Noted on July 13.

✚Englewood, N. J.—The contract for paving Dean St. with asphalt block, has been awarded to the HASTINGS PAVING CO., 25 Broad St., New York, at $9,574.

✚Hackensack, N. J.—The contract for paving between the tracks on the Paterson Plankroad has been awarded to J. F. SHANLEY, at $2.15 per sq. yd. The total cost is $13,425.

Irvington, N. J.—Bids will be received by M. Stockman, Town Clk., until 8 p. m. Aug. 21, for constructing telford pavement on 40th St. from Springfield to Halstead Aves., and for curbing and flagging 20th St. from Clinton Ave. to Cottage St. Plans are on file at the office of I. J. Casey, Jr. & Co., Glorieux Bldg., Irvington.

New Brunswick, N. J.—Bids will be received by the Board of Chosen Freeholders of the County of Middlesex, until 2 p. m., Aug. 21, for grading and macadamizing Main St., New Bound Brook, according to plans and specifications on file at the office of Thomas H. Hagerty, New Brunswick, and at the office of F. F. Simons, Roosevelt, N. J.

***Westfield, N. J.**—Bids will be received by the Town Council until 8 p. m., Sept. 5, for improving various streets. The approximate quantities are as follows: 600 cu. yds. of excavation, 5,500 sq. yds. of 6-in. macadam, 3,100 sq. yds. of 4-in. macadam, 1,080 sq. yds. of old macadam resurfaced, 2,316 lin. ft. of concrete curb and gutter, 40 lin. ft. of culvert. Charles Clark is Town Clk.

✚*Woodstown, N. J.—We are officially advised that the contract for improving East and West Aves. has been awarded to W. S. KONOVER, Trenton, at $14,198. List of bids noted on Aug. 10.

✚Cornopolis, Pa.—The contract for 11,997 sq. yds. of paving and 7,333 lin. ft. of curbing, was awarded on Aug. 7 to R. V. BALDWIN. E. C. Harper is Boro. Secy.

✚Philadelphia, Pa.—The contract for improving the Northeast Boulevard, from Second to Rhawn Sts., has been awarded to the McNICHOL PAVING & CONSTRUCTION CO., Philadelphia, at $100,000.

***✚Sayre, Pa.**—We are officially advised that the contract for constructing 8,000 sq. yds. of vitrified brick pavement, 1,800 cu. yds. of excavation, and 4,000 lin. ft. of concrete curb and gutter, was awarded on Aug. 7, to MURRAY & FORD, Elmira, N. Y., at $21,102. The other bidders were: J. J. Higgins, Waverly, N. Y., $22,583; Newman Construction Co., Athens, Pa., $22,570; McGreevy & Co., Elmira, N. Y., $22,035; E. Whalen, Towanda, Pa., $21,608. H. H. Mercereau is Boro. Clk. Noted on Aug. 3.

✚Scranton, Pa.—The contract for constructing a road from Jessup to Moosic Lake, has been awarded to M. A. DONAHUE, at $6,544. The other bidders were: F. P. Melkes, $11,169; Mart Menrolo, $9,499; O. F. McGowan & Sons, $8,315; C. R. Kinsley, $6,563; John Manley, $7,344; Antonio Freda & Frank Santacero, $7,780.

Erie, Pa.—Bids will be received by the Road Supervisors of Millcreek Township until 2 p. m., Aug. 21, for improving West Twelfth St. from Cranberry St. to Weschler Ave. Plans are on file at the office of J. E. Reed, Erie. W. G. Evans is City Clk.

✚South Fork, Pa.—The contract for grading and paving five streets was awarded to W. T. BURKETT, South Fork, at 72 cts. per sq. yd. Other bids were: M. M. Sheedy & Sons, Johnstown, $1.60; J. F. Dietz, Johnstown, $1.22; C. H. Suppes, Jr., Johnstown, 93 cts.

✚Zelienople, Pa.—A contract for 6,000 sq. yds. of paving has been awarded to NORMAN J. BOYER, Butler, Pa., at $12,000.

Tazewell, Va.—The Supervisors of Tazewell County will construct 35 miles of macadam road in Clear Fork, Jeffersonville and Mainden Spring districts. F. Thompson is Chn.

✚Clarksburg, W. Va.—A contract for 7,000 sq. yds. of paving has been awarded to JOHN R. KENNEDY, Parkersburg, W. Va.

Atlanta, Ga.—Bids will be received by the Chairman of Street Committee until 3 p. m., Aug.18, for paving Walton St. from Peachtree St. to Spring St. with creosoted wood blocks, approximately 5,000 sq. yds. Specifications will be furnished upon application to R. M. Clayton, City Engr.

✚Mansfield, La.—The contract for constructing 82,840 sq. ft. of cement concrete sidewalk and 5,000 cu. yds. of grading has been awarded to ELMORE L. ANDREWS, at $12,625. W. E. Singleton is City Clk.

***Johnson City, Tenn.**—Bids will be received by P. F. McDonald, City Comr., until 7 p. m., Sept. 7, for constructing bridges, sewers, storm water basins, concrete curb and gutter and street paving with brick, asphalt, bitulithic, wood block, granitoid or concrete for

Improvement Districts Nos. 7 and 8. Plans are on file at the office of the City Engineer. The approximate quantities are: 5,000 cu. yds. excavation, 23,000 sq. yds. street paving, 12,000 lin. ft. curb and gutter, 1,600 lin. ft. 6-in. sewer connections, 600 lin. ft. 15-in. T. C. drains, eleven catch basins, 16 cu. yds. reinforced concrete to cover drain 8 ft. wide.

Castalia, Ohio.—Bids will be received by E. Rogers, Clk of Margaretta Township, until noon, Aug. 26, for improving Tiffin and Prairie Roads. Plans are on file at the office of A. C. Shultz, County Surv., Sandusky.

Cleveland Heights, Ohio.—Bids will be received by the Village Clerk of Cleveland Heights at his office, Town Hall, or 308 Beckman Bldg., Cleveland, until noon, Aug. 22, for improving Edgehill Road from Overlook to Coventry Road. Plans are on file at the office of the F. A. Pease Engineering Co., Williamson Bldg., Cleveland. H. H. Canfield is Village Clk.

New Philadelphia, Ohio.—Bids will be received by the Commissioners of Tuscarawas County, until 1 p. m., Sept. 11, for grading Oliver Hill, Union Township. W. C. Shott is County Audr.

✚Columbus, Ohio.—The contracts for improvement of the following streets have been awarded as follows: Cable Ave., from Rodgers to Glenwood Ave., to J. C. BEASLEY, Nelsonville block, cement filler, at $5,405. Chittenden Ave., from Summit St. to Big Four R. R. track, GEORGE W. PATTERSON & SON, Nelsonville block, cement filler, $10,270. Cleveland Ave., from Reynolds to Fifth Ave., WILLIAM M. GRAHAM, Trimble block, tar filler, $14,414. Collins Ave., from Henry St. to Michigan Ave., J. C. BEASLEY, Nelsonville block, cement filler, $9,379. Elliott Alley, from 21st St. to Wilson Ave. S. T. KNIGHT, Portsmouth block, cement filler, $5,651. Johnson St., from Clifton Ave. to Atcheson St., WM. M. GRAHAM, Trimble block, cement filler, $15,107. Michigan Ave., from Goodale St. to Second Ave., J. C. BEASLEY, Nelsonville block, cement filler, $21,396. Oakland Ave., from Indianola Ave. to Fourth St., S. T. KNIGHT, Portsmouth block, cement filler, $8,270. Pennsylvania Ave., from Poplar to Buttles Ave., J. C. BEASLEY, Nelsonville block, cement filler, $6,809. Rich St., from Hawkes to Glenwood Ave., GEIGLELE, GARNES & CO., Nelsonville block, cement filler, $8,702. Rich St., from Sandusky St. to Hawkes Ave., J. C. BEASLEY, Trimble block, cement filler, $13,775. Spruce St., from Dennison to Pennsylvania Ave., M. J. BURNS, Peebles block, cement filler, $9,680. Thurman Ave., from High St. to Parsons Ave., the ANDREWS ASPHALT PAVING CO., Trinidad asphalt with Harris block, cement filler gutters, $23,864. Twenty-second St. from Shelby to Fulton Sts., H. E. BARTHMAN, Novelty block, cement filler, $6,714. Twenty-second St., from Columbus St. to Reinhard Ave., N. E. BARTHMAN, Novelty block, cement filler, $9,347; Wilson Ave., from Livingston Ave. to Schiller St., the ANDREWS ASPHALT PAVING CO., Trinidad asphalt with Harris brick gutters, cement filler, $16,039.

The contract for the construction of sidewalks on 31 different streets has been, awarded to the STANDARD PAVING CO., at 30 cts. for grading and $1.13 for laying sidewalks.

Columbus, Ohio.—Bids will be received by H. S. Holton, Dir. of Pub. Ser. until Aug. 22 for improving Elm St. from Third to Fifth St.; Hickory St., from Front to Water St.; Naghten St., from Front to West St.; and Naghten St., from Cleveland to Washington Ave.

✚East Liverpool, Ohio.—The contract for grading a portion of Carpenter's Run Road, has been awarded to JOHN McLAUGHLIN & SONS, East Liverpool, at $6,793. Other bids were, Hinton & Cunningham, East Liverpool, $8,733; Morris & Wright, Lisbon, $7,569.

Coshocton, Ohio.—Bids will be received by the Commissioners of the Special Road District composed of the Townships of Tuscarawas, Franklin, Jackson and Keene in Coshocton County, at the office of the County Auditor at Coshocton, until 11 a. m., Aug. 22, for the improvement of extensions of Highway No. 1 in Franklin Township, about 4,700 ft. F. E. Mowrey is County Audr.

McConnelsville, Ohio.—We are officially advised that no bids were received on Aug. 9, for grading and macadamizing two miles of road, estimated at $16,568. The date has been extended until Aug. 23. J. E. Patterson is Audr. Morgan County.

✚New Philadelphia, Ohio.—We are officially advised that the contract for grading and paving with brick 2.01 miles of road in Dover Township, Tuscarawas County, has been awarded to SPRINGER AND ROGERS, New Philadelphia, at $29,660. W. C. Schott is County Audr. Noted on Aug. 3.

✚St. Clairsville, Ohio.—The contract for grading and macadamizing of road in Goshen and Union Townships, Belmont County and for grading road in Marion Township, has been awarded to GREGG & PLETCHER. E. E. Shepherd is County Audr. Noted on Aug. 3.

Youngstown, Ohio.—Bids will be received by the Director of Public Service, until noon, Aug. 18, for paving Hayes Ave., from Woodland Ave. to Fairmont. W. H. McMillin is Clk.

INDIANA ROAD IMPROVEMENTS.

Bids will be received as follows for highway improvements in Indiana:

Aug. 31.

Winchester, by the Commissioners of Randolph County, until 10 a. m., for gravel roads in White River, Monroe, Wayne, Green and Franklin townships. Henry F. Wood is Audr.

Sept. 2.

Evansville, by the Commissioners of Vanderburg county, until 10 a. m., for a macadam road. Charles P. Beard is Audr.

Greencastle, by the Commissioners of Putnam county until 11 a. m., for 13,247 lin. ft. of macadam road in Clinton township. D. V. Moffett is Audr.

Sept. 4.

Huntington, by the Commissioners of Huntington county, until 10 a. m., for a highway in Dallas township. John W. Weaver is Audr.

Decatur, by the Commissioners of Adams county, until 10 a. m., for a macadam road in Monroe township. H. S. Michans is Audr.

Rushville, by the Commissioners of Rush county until 2 p. m., for macadam roads on Posey, Rushville, Noble and Jackson townships. Jesse M. Stone is Audr.

Sept. 5.

Vincennes, by the Commissioners of Knox county, until 2 p. m., for gravel roads as follows: Winderman Road in Johnson township, 5,380 ft.; Shulze Road in Buseron township, 1,457 ft.; Vicke Road in Johnson township, 1,490 ft.; Wright Road in Vigo township, 7,962 ft.; Wolfe Road in Buseron township, 4,471 ft.; Riddle Road in Vincennes township, 6,640 ft. John T. Scott is Audr.

Logansport, by the Commissioners of Cass county, until 10 a. m., for two macadam roads in Harrison township. J. E. Wallace is Audr.

Crawfordsville, by the Commissioners of Montgomery county until 10 a. m., for a gravel road in Coal Creek township. B. B. Engle is Audr.

Bloomfield, by the Commissioners of Green county, until 2 p. m., for macadam roads in Richland and Jackson township. C. H. Jennings is Audr.

Sept. 6.

Monticello, by the Commissioner of White county, until noon, for a stone and gravel road in Cass township, a stone road in Big Creek township and a gravel road in West Point and Prairie townships. A. G. Fisher is Audr.

Sept. 7.

Wabash, by the Commissioners of Wabash county, until 10 a. m., for a highway in Chester township .

Wabash, by the Commissioners of Wabash and Kosciusko townships, until 10 a. m., for a gravel road on the county line. J. P. Noftzger is Audr.

Sept. 15.

Greenfield, by the Commissioners of Hancock and Knox counties, for a gravel road on the line between the two counties, 26,400 ft. long. Charles H. Troy is Audr.

CONTRACTS AWARDED.

Columbus.—Two gravel roads to JOSEPH MEREDITH.

Huntington.—The Detamore Road and the Searls Road to MACKEY, DRUCKMILLER & CO., at $4,894 and $4,591, respectively; the J. B. Williams Road to KEEFER & BAILEY at $8,593.

Decatur.—A gravel road to MERRYMAN & FRIGATE.

Brazil.—The Sunnifield Road to EDGAR J. SCHAWECKER, at $4,834; the Central Ave. Road to HAWKINS BROS., at $5,138.

Clinton.—A gravel road to GEORGE R. CHAPMAN, Clinton, at $7,440.

Washington. — A gravel road to EATHAN ALLEN, Washington, at $5,190.

Salem.—A gravel road to CHRISTIAN & ENGLER, Salem, at $17,095.

Martinsville.—The Walker Road, to J. C. GREEN, Martinsville, at $8,519.

Danville. — Four gravel roads to GEORGE T. MILLER, Lebanon, at $24,994.

✚Decatur, Ind.—The Commissioners of Allen and Adams Counties awarded a contract to CHRIS. MUSSER for the construction of the Wells or county line gravel road at $8,100.

✚Detroit, Mich.—The Common Council on Aug. 8 approved the following contracts for paving, entered into by the Department of Public Works, J. J. Haarer, Comr. Hibbard Ave., from Agnes to Kercheval, 26 ft. wide with cedar block, to T. E. CURRIE, 20 McGraw Bldg., at $7,262. Hooker Ave., from Linwood to Grand River, 26 ft. wide, with cedar blocks, to JULIUS PORATH, 34 McGraw Bldg., $11,066. Lockwood Ave., from Rollin to Michigan, 26 ft. wide, with cedar blocks, F. PORATH & SON, 301 Penobscot Bldg., $8,088. Lillibridge Ave., from Jefferson to Kercheval Ave., 24 ft. wide, with cedar blocks, T. E. CURRIE, 20 McGraw Bldg., $5,714. Repaving Abbot tS., from Trumbull to Twelfth St., 28 ft. wide, JULIUS PORATH, 34 McGraw Bldg., $8,477. All on concrete foundation with Medina, Berea or other approved curbing.

✚Monroe, Mich.—The city has awarded a contract for 13,614 sq. yds. of 5-in. concrete pavement and 9,349 lin. ft. concrete curbing on Washington and North Macomb Sts., to WILLIAM M. HURD, Monroe, at $19,484. J. W. White is City Engr.

✚St. John's, Mich.—A contract for paving Railroad, Spring and Higham Sts., has been awarded to JAMES A. McKAY, at $1.98 per sq. yd. for brick paving. The total cost is about $18,000.

Carmi, Ill.—Bids will be received by F. W. Stinnett, Town Clk., until 2 p. m., Aug. 19, for constructing a gravel road, 7,400 ft. in length.

Charleston, Ill.—We are officially advised that the time for receiving bids for the construction of the first two sections of bituminous macadam road in Seven Hickory Township, Coles County, has been extended to Aug. 30. Bids were to have been opened on Aug. 23.

Hawthorne, Ill.—F. B. Chase of the Western Electric Co., Hawthorne, will prepare specifications on about 5,000 yds. of paving at Hawthorne. The paving will be either brick, concrete or creosoted block.

✚Racine, Wis.—The contract for paving North Erie St. with asphalt has been awarded to WHITE CONSTRUCTION CO., 918 Railway Exchange Bldg., Milwaukee, at $34,766.

✚Sheboygan, Wis.—The contract for brick pavement on North 12th St. and Superior Ave. has been awarded to FRANK RADLOFF, Plymouth, at $1.83 for brick paving, 62 cts. for stone curbing and 10 cts. for resetting curb. Other bids were, John Braun, Sheboygan, $1.92, 56 cts. and 15 cts.; Schuette Cement Construction Co., Manitowoc, Wis., $1.91, 60 cts. and 15 cts.; Pestein & Nauman, Sheboygan, $1.89, 48 cts. and 20 cts.

✚Mason City, Iowa.—We are officially advised that a contract has been awarded to GEORGE GABLER, at the following bids: 14,574 sq. yds. of cement pavement, $1.35 per sq. yd.; 7,800 lin. ft. cement curbing, 38 cts. per lin. ft. J. H. McEwen is City Clk. Noted on Aug. 3.

✚Leavenworth, Kan.—The contract for repaving Shawnee St. has been awarded to the J. RAMSEY CO., Topeka, Kan., at $1.24 per sq. yd. for 2½-in. mineral rubber asphalt pavement. Total bid, $23,850.

✚Ottawa, Kan.—We are officially advised that the contract for paving Willow and Ash Sts. has been awarded to RANSOM & COOK, at $13,000. G. E. Strauchon is City Clk. Noted on July 27.

✚Minot, N. Dak.—We are officially advised that a contract for grading has been awarded to BENJAMIN McDONNELL, at $19,902. L. J. Thompson is City Audr.

✚Joplin, Mo.—A contract for repaving Main St., from Third to Tenth St., with 3½-in. creosoted wood block, has been awarded to BURKE BROS., St. Louis, Mo., at $1.96 per sq. yd. J. B. Hodgdon, City Engr., estimated the improvement at $36,313, figuring on the unit price of $2.31 per sq. yd.

✚Altus, Okla.—The contract for about 20 blocks of bitulithic paving in Altus has been awarded to P. S. KAUL, Kansas City, Mo., at $162,354.

Albuquerque, N. Mex.—Bids will be received by John B. McMabus, City Clk., until Aug. 21, for paving and guttering about 25,000 sq. yds.

Lewiston, Idaho.—Bids will be received by the City Council until Sept. 6, for approximately 19,000 sq. yds. of hard surface pavement. C. F. Leland is City Clk.

Spokane, Wash.—Bids will be received by the Spokane County Commissioners until Aug. 29, for constructing a macadam road on Sunset Boulevard, a distance of about ten miles. C. L. Graves is County Engr.

Bellingham, Wash.—Bids will be received by the Supervisors of Acme Township, Whatcom County, until 2 p. m., Aug. 19, for grubbing, grading and graveling Road No. 479. Plans are on file at the office of the County Engineer. N. P. Nelson is Clk.

Hood River, Ore. — See item under Sewers.

✚Longbeach, Cal.—The Los Angeles Dock and Terminal Co. has awarded a contract to McCOMB BROS., Los Angeles, at $25,000, for constructing 130,000 sq. ft. of cement sidewalk and 26,000 lin. ft. of curb on the inner harbor tract.

✚Los Angeles, Cal.—The contract for improving three sections of the Covina-Lordsburg Road, has been awarded to C. H. and P. A. HOWARD, Los Angeles, at $52,616.

✚The contract for grading and constructing cement work in tract No. 921, on line of P. E. Railway, in the town of Watts, has been awarded to E. V. PARKER and E. A. AND M. W. McCOMBS, South Broadway, at 17 cts. per lin. ft. for curbing and 6¼ cts. per sq. ft. for sidewalks.

✚The Board of Public Works has awarded a contract for improving Vermont Ave., between Santa Barbara Ave. and 58th Et., to the BARBER ASPHALT PAVING CO., Central Paving Co., Los Angeles, at $56,364. The item bids were as follows: 16 8-10 cts. per sq. ft. for asphalt paving; $1.25 per lin. ft. for stel-faced cement curb; 30 cts. per lin. ft. for cement curb; 25 6-10 cts. per sq. ft. for vitrified block gutters; $1,218 for culverts.

Oakland, Cal.—Bids will be received by the Board of Supervisors of Alameda County until 10 a. m., Aug. 10, for macadamizing a portion of Castro Valley Road. John P. Cook is Clk.

✚Santa Barbara, Cal.—The contract for improving East Pedragosa St. has been awarded to THEO F. WHITE, at $21,000.

Los Angeles, Cal.—The Board of Public Works have received the following bids for street work: For improving Hoover St. between 28th and Jefferson Sts., sib blocks: Benjamin [illegible] Ford, (a) 17 cts. per sq. ft. for asphalt paving; (b) 28 cts. per lin. ft. for cement curb; (c) 27 cts. per sq. ft. for vitrified block gutter; Fairchild, Gilmore [illegible] ilton Co. (a) 16.7 cts., (b) 30 cts., [illegible] 26.5 cts.; Barber Asphalt Paving [illegible] (a) 18.3 cts., (b) 30 cts., (c) 27 cts. [illegible] improving 21st St. between A[illegible]ton and Concord Sts., a distance of eight blocks: Withers & Crites (a) $2.40 per lin. ft. for grading and graveling, (b) 35 cts. per lin. ft. for cement curb, (c) 15 cts. per sq. ft. for cement gutter, (d) 30 cts. per sq. ft. for vitrified block gutter; David Joy, (a) $[illegible] (b) 35 cts., (c) 15 cts., (d) 33 cts. [illegible]swald & Mohr, (a) $2.90, (b) 33 cts. [illegible] 16 cts., (d) 31 cts.; Walter Overall [illegible] $2.60, (b) 36 cts., (c) 16 cts., (d) [illegible] cts.; O. A. Nicols, (a) $2.44, (b) 36 [illegible], (c) 16 cts., (d) 30 cts.

✚Regina, Sask.—We are [illegible]ially advised that bids were received by the Board of City Commissioners on July 28 for paving, etc., at Regina. Contracts were awarded as follows: For 52,042 sq. yds. of bitulithic pavement, to BITULITHIC & CONTRACTING, Ltd., Winnipeg, at $3 per sq. yd.; 52,872 sq. yds. sheet asphalt pavement, to NATIONAL PAVING & CONTRACTING CO., Ltd., Winnipeg, at $[illegible] per sq. yd.; 32,334 lin. ft. curb and gutter to WESTERN PAVERS LTD., at 73 cts. per lin. ft.; 34,042 lin. ft. curb and gutter, to NATIONAL PAVING & CONSTRUCTION CO., Ltd., Winnipeg, at 67 cts. per lin. ft.; 350,000 sq. ft. concrete sidewalks, to PARSON CONSTRUCTION CO., Regina, at 16¾ cts. per sq. ft. L. A. Thornton is City Engr.

MANUFACTURING PLANTS.

(✚*Denotes a contract awarded.*)

Bangor, Me.—A sardine factory, equipped with machinery and capacity of 500 cases a day, is to be started at Swan's Island by Samuel Baker, of Eastport, and E. E. O'Donnell, of North Lubec, with J. H. Stimpson as Supt.

Brunswick, Me.—Turner C. Hunton, former Pres. of the Brunswick Knitting Mills, destroyed by fire last November, has decided to reorganize and will build a mill on the old site, it is reported.

✚New Bedford, Mass.—The contract for the factory on Front St. for the United Shoe Machinery Co., of Beverly, has been awarded to B. F. SMITH CONSTRUCTION CO., 22 Mason St., Pawtucket, R. I. To be of brick, three stories, 60 × 108 ft., and to cost $40,000. C. Hammond & Son, 179 North Water St., are the Archs.

✚Holyoke, Mass.—The contract has been awarded to CASPER RANGER for the construction of a 2-story factory building, 100 × 200 ft., for B. F. Perkins & Sons. The cost is $35,000.

Lowell, Mass.—Plans have been filed by the Hamilton Manufacturing Co. for a mill to be erected between the buildings of the Appleton Co. The proposed building will be four stories high, 268 × 135 ft., with a flat roof.

Northampton, Mass.—Bids will be received until Aug. 18 by Trustees of State Hospital for erecting a laundry building and an addition to the bakery. Ellsworth & Howes, Holyoke, Mass., are the Archs.

Worcester, Mass.—A factory is to be built near the N. Y., N. H. & H. R. R. for the Critchley Machine Screw Co. To be 250 × 50 ft., brick, with concrete foundation. Cutting, Carleton & Cutting, Chase Bldg., are the Archs.

✚The contract for building a 4-story apartment house on Portland St. for Dr. Moek Fountain has been awarded to ELI BELISLE, 19 Portland St. John P. Kingston is the Arch.

Norwich, Conn.—A plant will be erected here by Giron Freres, St. Etienne, France, for the manufacture of ribbons. A site has already been secured.

Binghamton, N. Y.—The Delaware & Hudson Co. will erect an engine-house to cost $40,000. C. S. Sims, Albany, N. Y., Second Vice-Pres. and Gen. Mgr.

Jamestown, N. Y.—The Crown Metal Furniture Co. has plans in preparation for a new manufacturing plant on a site of 4½ acres recently purchased on the Erie R. R. at East Jamestown. The main factory building will be 400 ft. in length.

✚Corning, N. Y.—A glass factory will be erected by the Corning Glass Works, Corning. The general contract is held by GAHREN, DODGE & MALTBY, 29 Broadway, New York City. Plans were prepared by Pierce & Bickford, 120 Lake St., Elmira, N. Y.

Middletown, N. Y.—Schlesinger, Lustberg & Nast, shirt manufacturers, of New York, have awarded the contract to HARVEY R. TAYLOR to erect a 3-story brick and concrete shirt factory, 43 × 126 ft. E. P. Valkenburgh, of Middletown, is Arch.

New York, N. Y.—The contract has been awarded to the HENNEBIQUE CONSTRUCTION CO., 1170 Broadway, New York, for the Cary Manufacturing building, Jay St., Brooklyn, to be 176 × 100 × irregular, seven stories and basement. William Higginson, 21 Park Row, is Arch.

Long Island City (L. I.), N. Y.—A 1-story factory building will be erected by the Atlantic Blog Glass Co., 381 Fourth Ave. The contract is held by POTTERTON BROS., 215 West 28th St., New York City. The estimated cost is $20,000. Cross & Cross, 527 Fifth Ave., New York City, are Archs.

Utica, N. Y.—The Utica Knitting Co. will construct a brick addition to its Erie St. mill. The plant will be 19 × 66 x 10 ft.

Newark, N. J.—Nathan Welitoff has just completed plans for a 3-story brick factory building, to go up at 74-78 Richmond St. for A. Lillian. The structure will be of ordinary factory construction and will cover an area of 54 × 80 ft. The cost is given at about $12,000.

+Perth Amboy, N. J.—The contract has been awarded to the TURNER CONSTRUCTION CO., 11 Broadway, New York City, for the construction of a reinforced-concrete bottling house for the Chesebrough Manufacturing Co., three stories high, 120 × 130 ft. in plan, to be erected at their Perth Amboy, New Jersey, plant. Work to go ahead at once.

+Philadelphia, Pa.—The contract has been awarded to WILLIAM STEELE SONS CO. for the construction of a 6-story brick and concrete factory addition, 38.10 × 65.8 ft., to the plant of Thomas E. Brown & Son at Second and Westmoreland Sts. The cost is $17,000.

+Philadelphia, Pa.—The general contract has been awarded to J. RICHARD JACKSON, Perry Bldg., for the erection of a 1-story, 79 × 165 ft., japanning and brazing building for Fretz, Gross & Co. Plans by Peter Kuhn, 3065 North Eighth St.

As the site for a large plant, the Tabor Manufacturing Co., at 18th and Hamilton Sts., has purchased five acres of land fronting on the Germantown and Chestnut Hill. Plans are being prepared by Dode & Day, Engrs., for the erection of an office building and a large shop. Cost, $50,000.

+Henry Holmes & Sons will construct a 1-story, 91 × 43 ft., factory addition at Trenton Ave. and Auburn St. William Steele & Sons Co., 1600 Arch St., are receiving sub-bids.

The Marie Garden Cigar Co., 846 Wharton St., are receiving bids on the erection of a factory building at 834 Latona St. Plans by Anderson & Haupt, Drexel Bldg.

William Steele & Sons Co., Engrs., 1600 Arch St., are receiving revised bids on a factory building at 24th and Locust Sts. The Lanston Monotype Machine Co., 1231 Callowhill St., is the owner. The structure will be six stories, of brick and concrete, 176 × 268 ft., and cost $250,000.

+The contract has been awarded to the WAYNE CONTRACTING CO. at about $17,000 for making alterations and additions to the plant of the Cudahy Packing Co., Ninth St. and Girard Ave.

+GOLDEN & CRICK, 3512 Fifth St., were awarded the contract to build an addition to the machine shop of the Westinghouse Electric & Manufacturing Co., East Pittsburg. The building will be one and four stories high. Cost, $200,000.

Wilmington, Del.—An electrochemical building, 91 × 152 x 46 × 22 ft., will be erected by the Jessup & Moore Paper Co., Wilmington, Del. The cost is about $50,000. Plans by Sawyer & Moulton, 120 Exchange St., Portland, Me.

+Wilmington, Del.—H. O. Wilbur & Son, 231 North Third St., will erect a factory at 239-241 North Third St. The general contract is held by WILLIAM STEELE & SONS CO., 1600 Arch St.

+Baltimore, Md.—The Levering Coffee Co. awarded a contract to MONMONIER & SORRELL for the erection of an addition to their building at 102 Commerce St. as well as for alterations to the office compartment in the building.

Baltimore, Md.—The American Ice Co. will construct a 1-story ice plant, storage building and shed at the northeast corner of 23d St. and Hampden Ave. The structure will be 300 × 300 ft. Plans have been prepared by Mortenson & Co., 114 East 28th St., New York City.

Baltimore, Md.—L. Greif & Bro., Eutaw and German Sts., are having plans and specifications prepared by Frank & Kavanagh, 328 North Charles St., for clothing factory to be erected at Montford and Ashland Ave.; building to be of structural steel, with concrete foundations and brick facades; three stories, 75 × 250 ft., fireproof, granolithic floors, steam heat, electric lighting, refrigerating plant for cooling rooms during summer and furnishing drinking water.

Sherwood Distillery Co. will erect drying house; will be of brick construction, fireproof, cost $40,000; electric lighting, slate roof, plumbing. Jacob Peters, Builders' Exchange, 15 East Fayette St., Baltimore, Md., is contractor.

Hancock, Md.—Hancock Shale Brick Co., H. N. Rosen, Mgr., will erect factory building; will be of mill construction, and will manufacture face and common building brick.

Laurel Mills, Va.—Rappahannock Woolen Mills Co. has commissioned Fred. S. Hinds, Arch., 19 Milk St., Boston, Mass., to prepare plans and specifications for rebuilding of mill recently burned; will be of brick and stone construction; steam heat, electric lighting, plumbing.

Portsmouth, Va.—Business Men's Association, Mr. I. T. Van Patten, Secy., is interested in establishment of mill to manufacture wood and rag pulp used in making paper; estimated cost of building, $100,000.

Fort Moultree, S. C.—Bids will be received until 11 a. m., Aug. 21, for the construction of a blacksmith's shop and for constructing an addition to the band barracks at Fort Moultrie. Address Lt. Edward L. Kelly.

+Greer, S. C.—The Greersburg Mfg. Co., Greers, S. C., have appointed Lockwood, Greene & Co., of Boston, Mass., and Greenville, S. C., as architects and engineers for the enlargement of their plant. The new building of standard slow burning mill construction will be 130 ft. long × 100 ft. wide and four stories high. Its equipment will consist of 15,000 spindles, 450 looms and accompanying machinery for the manufacture of cotton cloth thus increasing the company's total spindles to about 25,000, and the looms to about 700. The building will be erected by the GALLIVAN BUILDING CO., Greenville, S. C., who also have the contract for a 2-story, 50 × 100 ft. extension to the Greers warehouse.

Cedartown, Ga.—The Noiseless Wheel & Truck Co., recently organized, will erect a plant to make trucks for moving heavy weights and also to make tires of cotton resembling solid rubber tires. The incorporators are Charles Adamson, Pres.; C. W. Smith, Vice-Pres.; R. O. Pitts, Secy. and Treas., and C. B. Morris, Gen. Mgr.

Moss Point, Miss.—A fertilizer plant will in all probability be erected by a newly organized company with J. W. Griffin as Pres.

Knoxville, Tenn.—The Knoxville Spinning Co. has been capitalized at $40,000 by E. G. Cates, T. A. Wright, Abram Rosenthal, C. T. Leonhart and L. G. Fisher.

Memphis, Tenn.—The Forest Products Co. will in all probability erect a plant here for the manufacture of chemicals from the refuse lumber of mills and cordwood which will be shipped for the purpose.

Rockwood, Tenn.—It is reported that the directors of the Rockwood Mills have authorized improvements on the plant here to the value of about $10,000. The capacity of the plant will be increased by the addition of 20 footers, 40 ribbers, eight loopers, making a possible output of 1,000 dozen pairs of hosiery daily. A paper box plant will also be installed.

Frankfort, Ky.—The Saffell Distilling Co. has filed articles of incorporation. The company is capitalized at $100,000. The incorporators are Joseph Gross, E. W. Weitzel and C. W. Saffell. A plant will be erected near the Frankfort Fair Grounds.

Canton, Ohio.—A 3-story factory building 65 × 300 ft., will be erected here by the Canton Fertilizing & Chemical Co. The cost is $60,000. Plans are being prepared by W. S. Epperson, 627 Courtland Bldg.

Cincinnati, Ohio.—A 2-story ice cream plant will be erected here by L. A. Ransley Co., 405 Race St. J. F. Blackford is Mgr.

The French Benzol Dry Cleaning Co., 2247 Gilbert Ave., will erect a dry cleaning plant to cost $50,000. Plans are being prepared by Joseph G. Steinkamp & Bro., 414 Walnut St.

+A 4-story factory will be erected by the Corcoran Bros. Lamp Co., 712 Reading Rd. The general contract is held by D. MEINKEN, 2111 Harrison Ave. Plans were prepared by Martin Fisher, 2156 Central Ave. The building will cost about $40,000.

The L. A. Strobel Co. have purchased a factory site from Wolfgang and Anna Hering on which a factory will be erected. The cost will be about $100,000.

+Cleveland, Ohio.—A 4-story factory building will be erected by A. E. Russ & Co., West 58th St. The contract for excavation, masonry and carpentry is held by W. T. THOMPSON & SON, 6110 Euclid Ave. The structure will cost about $15,000.

The Empire Power Co., East 66th St., will erect a shop and office building. The Forest City Engineering Co., 401 Superior Bldg., is Engr.

+The Perfection Spring Co. has had plans prepared for a factory building to be erected on Central Ave. near East 65th St. The building will be a 1-story brick and frame structure about 60 × 140 ft. in dimensions. The L. DAUTEL & SON CO. was awarded the mason contract and will start work at once.

It is reported that the Cleveland Knitting Mills have been incorporated by Herman H. and Louis Newman, Walter Friedman, Max P. Goodman and Jerome W. Halle. The company is capitalized at $100,000.

+Norwood, Ohio.—Harry Hake has awarded a contract to H. HARIG & CO. for the erection of an addition to the Globe-Wernicke Co.'s plant in Norwood. The building will be of concrete construction, 365 × 75 ft. and seven stories high. It will be used for the accommodation of the department now located at Eighth and Harriet Sts., Cincinnati. The floor space of the plant at Norwood is now about 25 acres.

St. Barnard, Ohio.—The Virginia-Carolina Chemical Co., of Richmond, Va., will erect a modern $250,000 plant in the factory district of Millcreek Valley.

+Toledo, Ohio.—The Kinsey Manufacturing Co. will erect a factory building at Yost St. north of Central Ave. The building will be four stories high, of concrete, brick, and steel construction and will cost $22,000. George S. Mills is the Arch. The contract is held by BENTLEY & SONS.

Toledo, Ohio.—A plant costing $250,000 will be built in the Ross Lake subdivision, at St. Bernard, by the Virginia-Carolina Chemical Co., with headquarters at Richmond, Va. Capital, $50,000. E. C. Hoffman is Gen. Mgr.

Logansport, Ind.—The Majestic Knitting Mills has been incorporated by Elihu S. Rice, J. H. Foley, O. P. Binns, J. Reitimeir and W. J. Uhl. The company is capitalized at $50,000.

Columbus, Ind.—Benjamin C. Thompson, whose grain elevator was recently destroyed by fire, entailing a loss of $70,000, will ask for bids for rebuilding as soon as plans can be made and insurance adjusted.

Detroit, Mich.—The American Cash Register Co., of Columbus, will in all probability construct a factory in Detroit.

+Mildner & Eisen, 1018 Hammond Bldg., has awarded the following contracts for the 4-story and basement brewery, 80 × 60 ft., for the Ekhard & Becker Brewing Co., 482 Orleans St. Structural iron work to WHITEHEAD & KALES, Beecher Ave. and M. C. R. R. Masonry to O. MISCH, 62 Home Bank Bldg. Carpentry to O. GOELSCH, 953 Bellevue Ave. Cost, $25,000.

Wannenwetch & Co., 563 Willia St., Buffalo, N. Y., are preparing plans for a 1-story addition to the packing house of the Sullivan Packing Co., Detroit, Mich. Owners will receive bids.

+Chas. Bornman, 12 Larned St., has awarded the general contract for his 4-story and basement factory, 75 × 138, to M. BURKLEISER, Penobscot Bldg. Cost, $25,000.

The Benz Automobile Co., of Deventer, Germany, has purchased ten acres in Detroit's east end automobile district and will construct a plant.

Saginaw, Mich.—Mildner & Eisen, 1018 Hammond Bldg., Detroit, will take bids after Aug. 15 on a brewery addition to the plant of the Banner Brewing Co., Saginaw, Mich. The building to be of stock brick, reinforced concrete and structural iron construction and concrete floors.

Milwaukee, Wis.—Carl Heim, Secy., Home Brewing Co., 319 Third St., is receiving bids for the construction of the first unit of the proposed $500,000 coperative brewery on Keefe Ave.

Waukesha, Wis.—The Waukesha Motor Co. has increased its capital stock from $100,000 to $200,000 and is contemplating the erection of an addition to double its capacity. H. W. Horning is Secy.

Reno, Mo.—It is reported that arrangements have been made by eastern capitalists for the construction of a paint factory to be situated within the city limits.

Abilene, Tex.—W. C. Grant and associates will erect a factory here for the manufacture of a maize header machine.

Alpine, Tex.—The Kansas City, Mexico & Orient R. R. will install machine shops here, it is reported.

Austin, Tex.—W. B. Walker & Sons will enlarge their canning factory here.

Bellville, Tex.—The Bellville Cotton Oil Co. has been formed here with a capital of $30,000. The incorporators are A. Brugger, Sr., C. F. Hellmuth and A. A. Sander.

+El Paso, Tex.—The Southwestern R. R. has awarded the contract to STANLEY BEYAN for the construction of a cold storage and refrigerating plant.

Georgetown, Tex.—The Middle Texas Oil Co. has just purchased from J. D. Sugg the cotton-seed oil mills at Bartlett, Granger and Belton, Tex., for a total consideration of $227,131 and will install new machinery and make other improvements to the plants.

San Antonio, Tex.—Dr. F. L. White, Supt. of the Southwestern Insane Asylum here, will install a canning factory to be run in connection with that institution. He will also install an irrigation pumping plant.

North Portland, Ore.—Plans have been approved by Sulzberger & Sons Co. for the erection of a general packing plant on a 10-acre site. It is estimated that the total cost of the proposed plant will be between $500,000 and $1,000,000.

+Grass Valley, Cal.—A contract has been awarded to the TAYLOR FOUNDRY & ENGINEERING CO., of Grass Valley, for the construction of a pumping plant.

Sisquoc, Cal.—The Palmer Oil Co. will erect a large asphalt refining plant with a capacity of 50,000 tons yearly. It involves an expenditure of $150,000 exclusive of over $20,000 which will be spent in the construction of the branch road from Sisquoc to Cat canyon.

Wilmington, Cal.—The Ilorton Portable House Co. has had plans completed for the erection of a factory building, 50 × 100 ft., on property north of the Pacific Lumber Mills. A large amount of machinery will be purchased.

Hamilton, Ont.—The Otis-Fensom Elevator Co. will erect a factory building to be 200 × 60 ft.

Woodstock, Ont.—The Gem Knitting Co., Ltd., has been incorporated to manufacture knitted goods by K. W. Harvey, G. E. Mahon and W. W. Barrowclough, all of Woodstock. The company is capitalized at $100,000.

Calgary, Alta.—Morris & Co., Chicago, proposes to erect here a $3,000,000 packing plant, to be in full operation by the end of 1912.

MISCELLANEOUS CONTRACTS.

(**Denotes that this work is advertised in Engineering News.*)

U. S. RECLAMATION SERVICE.—All news concerning canal and Irrigation projects, etc., will be found under Water Supply—Irrigation.

Concrete Wall.—Boston, Mass.—Bids will be received by the Park Department until Aug. 24 for the construction of a reinforced-concrete wall at Columbus Ave. playground. Robert S. Peabody is Chn. Park Comn.

Repairing Wharf.—Boston, Mass.—Bids for repairing the wharf at the North End Paving Yard will be received until Aug. 18 by the Department of Public Works. Louis R. Rourke is Comr.

+Refrigerating Machinery.—Boston, Mass.—The contract for refrigerating machinery for the Copley Sq. Trust Hotel has been awarded to the REFRIGERATING CO., 50 Church St., New York. The contract for the steam engineering was awarded to MALLOUX & KNOX, 78 William St., New York.

+*Dredging.—Newport, R. I.—The contract has been awarded to G. H. BREYMANN & BROS., of Toledo, Ohio, for dredging harbors at New Bedford and Fairhaven, Mass., at 11.75 cts. per cu. yd. for dredging 1,718,161 cu. yds., and $5 per cu. yd. for 70 cu. yds. of boulders; total, $202,234. Bids were opened on July 11 by Col. Frederic V. Abbot. List of bidders noted on July 20.

Additions to Steamer House.—Albany, N. Y.—Bids will be received by the Board of Contract and Supply, until 3 p. m., Sept. 6, for alterations and additions to Steamer House No. 6. Proposals will be received: (1) for entire work; (2) for (a) masonry, marble, slate, tile work and iron work; (b) carpentry, roofing and sheet metal work, painting and glazing; (c) plumbing work; (d) heating work; (e) electric work. Fuller & Robinson, 39 State St., Albany, are Archs.

***Breakwater Extension.**—Buffalo, N. Y.—Bids for timber crib concrete breakwater extension at Cape Vincent, N. Y., will be received by Lt. Col. W. G. Warren Corps Engrs., U. S. A., Buffalo, until 11 a. m., Sept. 11.

***Dredging.**—New York, N. Y.—Bids for dredging in Great South Bay and in Browns Creek, N. Y., will be received by Col. S. W. Roessler, Corps Engrs, U. S. A., New York, until noon, Sept. 14.

Maps.—New York, N. Y.—Bids will be received by the Board of Elections of the City of New York, 107 West 41st St., Boro. Manhattan, New York, until noon, Aug. 22, for furnishing and delivering 14,900 assembly district maps for the Boroughs of Manhattan, The Bronx, Brooklyn, Queens and Richmond. Michael T. Daly is Ch. Clk.

Seawall Fence.—New York, N. Y.—Bids have been received by the Park Board, Department of Parks, for constructing cinder and gravel walks, constructing dry rubble seawall and furnishing and erecting pipe rail fence in Rainey Park, Long Island City: Bart Dunn, 301 East 68th St., New York, $19,752; Kelly & Kelly, Inc., Twelfth St. and Vernon Ave., Long Island City, $49,550; Charles Mead & Co., 165 Broadway, New York, $24,374; Peace Bros., 20 Main St., Flushing, L. I., $35,775.

Tunnel Street.—New York, N. Y.—Bids will be received by George McAneny, Pres. Boro Manhattan, until 2 p. m., Aug. 28, for constructing a tunnel street, from Broadway, near Fairview Ave., to the subway station at West 191st St. and St. Nicholas Ave., together with all work incidental thereto. The Engineer's estimate of the amount of work to be done follows: 3,900 cu. yds. of rock excavation, 2,300 cu. yds. of earth excavation, 1,200 cu. yds. refilling and embanking, 2,200 cu. yds. of Portland cement concrete, 750 cu. yds. of excess Portland cement concrete; 200 cu. yds. of dry packing, 30,000 ft. B.M. permanent timbering, 12,000 ft. B.M. temporary timbering, 1,000 lin. ft. galvanized w.-i. pipes for drainage, 800 lin. ft. 6-in. vitrified pipe drain, ten catch basins, 360 sq. ft. steps and landings, 3,300 sq. yds. surfacing, side walls and roof, 11,000 sq. ft. floor finish in tunnel, 5,000 lbs. steel rails and bars for reinforcing concrete, 11,000 lbs. steel beams and girders, complete electric light system. The time allowed for doing and completing the above work will be 325 working days.

Shed, Etc.—New York, N. Y.—Bids will be received by the Park Board, Dept. of Parks, until 3 p. m., Aug. 24, for labor and material required for the erection and completion of the westerly half of the storage sheds and the west manure pit in the North Meadow Storage Yard in Central Park.

Refrigeration Plant Additions.—New York, N. Y.—Bids will be received by the Department of Public Charities, until 3.30 p. m., Aug. 25, for furnishing all the labor and materials required for alterations and additions to the present refrigerating plant at the Kings County Hospital, Bor. Brooklyn. Michael J. Drummond is Comr.

(Cintinued on Page 85.)

LIST OF CONTRACTS PENDING

Plans and Specifications on File.

The following plans (P.) and Specifications (S.) are on file for reference only unless otherwise noted at the office of The Engineering News Publishing Co., 220 Broadway, New York.

Bids close.		Noted in issue of
8-19	Feeder panels, Boston, Mass. (S.)	7-27
8-21	Storage dam, Clarksburg, W. Va. (P. & S.)	8- 3
8-22*	Sewer pipe, Matteawan, N. Y. (S.)	7-27
8-22*	Water pipe, Matteawan, N. Y. (S.)	7-27
8-23*	Pump and condenser, Lawrence, Mass. (S.)	8- 3
8-24	Filling, Montgomery, Ala. (S.)	7-27
8-25	Dams, canals, St. Ignatius, Mont. (S.)	8- 3
8-26	Payement, etc., Newport, R. I. (S.)	8-10
8-26	Dredging, etc., New York, N. Y. (S.)	8- 3
8-28	Breakwater, Detroit, Mich. (S.)	7-27
8-28*	Tug, Duluth, Minn. (P. & S.)	8- 3
8-29	Harbor work, Michigan City, Ind. (S.)	8- 3
8-31*	Crib, Cleveland, Ohio, (P. & S.)	8-17
9- 1*	Dredging, etc., Minneapolis, Minn. (P. & S.)	8-10
9- 1	High school, South Bend, Ind. (P.&S.)	7-27
9- 2	Grading, Newport, R. I. (S.)	8-10

Light, Heat and Power Plants.

Bids close.		Noted in issue of
8-18	Boiler house, Washington, D. C.	8- 3
8-19	Switchboard feeder panels, Boston, Mass.	8- 3
8-19	Electric light system, Longmont, Colo.	8-17
8-21	Electrical equipment, New York, N. Y.	8-17
8-21	Addition to electric lighting system, Jasper, Ind.	8-17
8-21	Generator, etc., Wilkie, Sask.	8- 3
8-22	Arc lamps, Palatka, Fla.	8- 3
8-22	Cluster lighting system and ornamental standards, Columbus, Ohio	8-17
8-23	Electric light plant and water-works, New Lisbon, Wis.	8-17
8-25*	Wiring, etc, New York, N. Y.	8- 3
8-29	Electric light plant, Monett, Mo.	8-17
8-31	**Generator sets, Los Angeles, Cal.**	**7-13**
9- 4	Moving machinery, Jacksonville, Fla.	8-17
9- 5	Maintenance of gas and gasoline lamps, St. Paul, Minn.	8-17
9- 7	Street light equipment, St. Paul, Minn.	8-17
9-15	Mechanical equipment, Washington, D. C.	8-17
9-15	Electric elevator plant, Washington, D. C.	8-17
9-25	Electrical supplies, Brazil (Foreign)	7-27
1-30, 1912	**Power generating and pumping plants, Australia (Foreign).**	**6-15**

Bridges.

Bids close.		Noted in issue of
8-18	Bridge, Roselle, N. J.	8-17
8-19	Bridge, Kasota, Minn.	8-17
8-19	Bridge, Lawrence, Kan.	8-10
8-19	Bridge, Bucyrus, Ohio	8- 3
8-21	Bridge work, Minneapolis, Minn.	8-10
8-21	Bridge work, Quebec, Que.	8-10
8-21	Bridge, Waterloo, Iowa	8-17
8-21	Bridge and dam, Albert Lea, Minn.	8-17
8-21	Bridge improvement, Catasauqua, Pa.	8-17
8-21	Bridges, Somerville, Tenn.	8-17
8-22	Bridge, Seattle, Wash.	8-17
8-22	Bridge, Plummer, Minn.	8-17
8-23	Bridge piers, Williamsport, Pa.	8-17
8-23	Bridge, Nashville, Ga.	8-17
8-23	Bridge, Success, Ark.	8-10
8-23	Bridges, Bristol, Va.	7-27
8-24*	Bridge, Grand Rapids, Mich.	8- 3
8-24	Bridges, Galesburg, Ill.	8-17
8-25	Bridge, Cincinnati, Ohio	8-17
8-25	Bridge, Winnipeg, Man.	8-17
8-25	Bridge, Kent, Wash.	8-10
8-25	Bridge construction and abutments, Alexander, Man.	8-17
8-26	Bridge work, Cleveland, Ohio	8- 3
8-28	Bridge, Tallulah, La.	8-10
8-28	Bridge, Lancaster, Ohio	8-10
8-28	Bridge, Waverly, La.	8-17
8-28	Three steel bridges, Springview, Neb.	8-17
8-29	Bridge, Fall River, Mass.	8-17
8-31	Bridge, Trail, B. C.	8-10
8-31	Bridge, Bermuda, La.	7-27
9- 1	**Bridges, Siam (Foreign)**	**6-29**
9- 2	Bridge, Youngstown, Ohio	8-10
9- 4	Bridge, Grenada, Miss.	8-17
9- 6*	**Bridge, Tampa, Fla.**	**7-13**
9- 7	Bridges, Muncie, Ind.	8-17
9- 9	Bridge, Quincy, Ill.	8-17
9-14*	Bridge, Reading, Pa.	8-17

Buildings.

Bids close.		Noted in issue of
8-18	Laundry, Northampton, N. Y.	8-17
8-18	Dwelling, Rogers Station, Md.	8-17
8-19	Training school, San Jose, Cal.	7-27
8-20	Building, Baltimore, Md.	8-17
8-21	Building, Baltimore, Md.	8-17
8-21	Blacksmiths' shop, Fort Moultrie, S. C.	8-17
8-21	Public bldg., Uxbridge, Ont.	8-10
8-21	Trainmen's bldgs., Ottawa, Ont.	8-10
8-22	Measles pavilion, New York, N. Y.	8- 3
8-22	Asylum building, etc., Shawano, Wis.	8- 3
8-22	Government building, Toronto, Ont.	8-17
8-22	Bank, Bishopville, S. C.	8-17
8-23	Fire house, New York, N. Y.	8-17
8-23	Repairs to U. S. post office, Peekskill, N. Y.	7-27
8-23	U. S. post office, Peekskill, N. Y.	8- 3
8-24	Building, Albany, N. Y.	7-27
8-25	Station, Truro, N. S.	8-10
8-25	School, Oneida, N. Y.	8-17
8-29*	Repairs to capitol, Albany, N. Y.	8-17
8-29	**U. S. post-office, Wallingford, Conn.**	**7-20**
8-29	U. S. post office, Monroe, Mich.	8- 3
8-30*	Post-office, Eufaula, Ala.	7-27
8-31	Terminal bldg., Quebec, Ont.	8-10
8-31*	Prison, Comstock, N. Y.	8-10
8-31	Addition to post-office, Grand Rapids, Mich.	8-17
9- 1	High school, South Bend, Ind.	7-27
9- 2	Court-house, Indianapolis, Ind.	8-10
9- 5	Hotel bldg., Albany, Ga.	8-10
9- 5*	U. S. post office, Gadsden, Ala.	8- 3
9- 5	Library building, Cleveland, Ohio	8-17
9- 7	U. S. post-office, Ensley, Ala.	8-10
9- 8	U. S. post-office, Pontiac, Ill.	8-10
9-11	Church building, Cedar Rapids, Iowa	8-17
9-12	U. S. post-office, Athol, Mass.	8-17
9-15	U. S. post-office, Washington, D. C.	8-10
9-15	School, Hot Springs, Ark.	8-10
9-15	Church, Stamford, Conn.	8-10
10- 3*	Filtration plant, Montreal, Que.	8-10

Water-Works.

Bids close.		Noted in issue of
8-17	Water mains, Duluth, Minn.	8-17
8-17	Cut-off gates, etc., Chicago, Ill.	8-17
8-18	Laying mains, Everett, Minn.	8-17
8-18	Stokers, etc., Chicago, Ill.	8-17
8-19	Clearing, etc., Yuba City, Cal.	8-17
8-19	Fire hydrants, Kansas City, Mo.	8-17
8-19	Pump & engine, St. Thomas, Ont.	8-10
8-21	Suction pipe, etc., Reed City, Mich.	8-10
8-21	Fire mains, Boston, Mass.	8-10
8-21	Engine, pump, etc., Wilkie, Sash.	8- 3
8-21	Storage dam, Clarksburg, W. Va.	8- 3
8-21	Water mains, Havre, Mont.	8-17
8-21	Wells, Trenton, N. J.	8-17
8-21	Well, Prairieburg, Iowa	8-17
8-21	Water-works, Storm Lake, Iowa	8-17
8-21	Laying water pipe, Boston, Mass.	8-17
8-21	Water main work, Aurora, Minn.	8-17
8-21	Pump, Calgary, Alta.	8-17
8-22	Pumping plants, Fallon, Nev.	8- 3
8-22*	Water pipe, Matteawan, N.Y.	7-27
8-22	Water tank, Bismarck, N. Dak.	8-10
8-22*	Laying water pipe, Athol, Mass.	8-10
8-22	Water tank, Mt. Vernon, Mo.	8-10
8-23	Pumping machinery, etc., Shelbina, Mo.	8-10
8-23	Water-works, Thomaston, Ga.	7-27
8-23*	Pump and condenser, Lawrence, Mass.	8- 3
8-23	Water system, New Lisbon, Wis.	8-17
8-23	Reservoir, Wales, Wis.	8-17
8-24	Laying pipe, etc., Cincinnati, Ohio	8-17
8-24	Water-works, Meadow Grove, Neb.	8-17
8-24	Pipe, etc., Jacksonville, Fla.	8-13
8-25	Pump, Plattsville, Wis.	8-10
8-25	Dams, canals, St. Ignatius, Mont.	8- 3
8-25	Reservoir, West Liberty, Iowa	8-17
8-25	Water-works, Benedict, Neb.	8-17
8-26	Water pipe, Oakley, Ohio	8-17
8-28	Tank, etc. Alice, Minn.	8-17
8-28*	Watermain extensions, Minot, N. Dak.	8-10
8-29*	Pumps, Muskogee, Okla.	8- 3
8-30*	Boilers, Kansas City, Mo.	8-17
8-31*	Crib, Cleveland, Ohio	8-17
8-31	Well, Wheatland, Iowa	8-17
9- 1*	Water-works material, Fort Worth, Tex.	
9- 1	Well, Osage, Iowa	8- 3
9- 1	Canal extension, etc., Huntley, Mont.	8- 3
9- 1	Water-works, Honea Path, S. C.	8-10
9- 1*	Pumping engines, Boston, Mass.	8-17
9- 4	Water supply, Manhattan, Mont.	8-17
9- 4	Tower, Fresno, Cal.	8-17
9- 4*	Water-works, Dorris, Cal.	8-17
9- 5	Water extensions, Clarksdale, Miss.	8-17
9- 5	Fire mains, etc., Rush City, Minn.	8-17
9- 5*	Pumps, Muskogee, Okla.	8-17
10- 1	Pumping machinery, British India (Foreign)	8-10

Sewers.

Bids close.		Noted in issue of
8-18*	Sewer, Louisville, Ky.	8- 3
8-18*	Sewer system, Shreve, Ohio.	8-10
8-18	Sewers, Youngstown, Ohio.	8-10
8-18	Sewer, St. Louis, Mo.	8-10
8-18	Sewers, Saskatoon, Sask.	8-17
8-18	Sewers, Bremen, Ohio	8-17
8-18	Sewerage, Boston, Mass.	8-17
8-21	Sewers, New York, N. Y.	8-10
8-21	Sewers, Skillman, N. J.	8-10
8-21	Sewers, Fort Pierre, S. Dak.	8-10
8-21	Sewers, Clinton, S. C.	7-27
8-21	Sewers, Boston, Mass.	8-17
8-21	Sewer, Mason City, Iowa	8-17
8-21	Pipe sewer, Montevideo, Minn.	8-17
8-21	Sewers, Yonkers, N. Y.	8-17
8-21	Sewers, etc., Wrentham, Mass.	8-17
8-21	Sewerage system, North Reading, Mass.	8-17
8-22	Sewers, Cincinnati, Ohio	8-17
8-22	Sewer, St. Bernard, Ohio	8-17
8-22*	**Sewer pipe, Matteawan, N. Y.**	**7-27**
8-22	Sewer, Windsor, Ont.	8-10
8-22	Drain, Rockwell City, Iowa	8-10
8-22	Drain, Fort Dodge, Iowa	8-10
8-23	**Sewer system, Thomaston, Ga.**	**7-27**
8-23	Sewers, Bucyrus, Ohio	8-17
8-24	Sewer, Anaheim, Cal.	8-17
8-24*	Sewer, Fairport, N. Y.	8-17
8-24	Sewerage system, South Jacksonville, Fla.	8-10
8-25	Sewers, Shelbina, Mo.	8-10
8-28	Conduit, Boston, Mass.	8-10
8-28	Sewers, North Toronto, Ont.	8-17
8-30*	Sewer, Franklinville, N. Y.	8-17
8-30	Sewers, New York, N. Y.	8-10
8-31	Sewer, Wapello, Iowa	8-17
9- 5	Sewer, Westfield, N. J.	8-17
9- 5	Sewers, Clarksdale, Miss.	8-17
9- 6*	Sewers, Baltimore, Md.	8-17
9- 7	Sewers, Ansonia, Conn.	8-17
9-11	Sewer, Lemore, Cal.	8-17
9-11*	**Sewers, New Orleans, La.**	**7-13**
9-11	Sewer, Lake Charles, La.	8- 3
9-15	Sewers, Terra Haute, Ind.	8-17

Streets and Roads.

Bids close.		Noted in issue of
8-18	Paving, etc., Wooster, Ohio.	8-10
8-18	Stone Bellaire, Ohio	8-10
8-18	Road, Mt. Gilead, Ohio	8-10
8-18	Paving, Atlanta, Ga.	8-17
8-18	Paving, Youngstown, Ohio.	8-17
8-19	Gravel road, Carmi, Ill.	8-17
8-19	Gravel road, Bellingham, Wash.	8-17
8-19	Road, Terre Haute, Ind.	8-10
8-21	Paving, etc., New York, N.Y.	8-10
8-21	Macadam road, Minneapolis, Minn.	8-10
8-21	Culvert, Canton, Ohio	8-10
8-21	Paving, Marshalltown, Iowa.	8-10
8-21	Roadway, Portland, Me.	8- 3
8-21	Road repair, Culpeper, Va.	8- 3
8-21	Paving, etc., Irvington, N. J.	8-17
8-21	Macadamizing, Oakland, Cal.	8-17
8-21	Paving, Boston, Mass.	8-17
8-21	Paving, etc., Albuquerque, N. Mex.	8-17
8-21	Street improvement, Erie, Pa.	8-17
8-21	Macadamizing, New Brunswick, N. J.	8-17
8-22	Road improvement, Coshocton, Ohio	8-17
8-22	Street improvement, Columbus, Ohio	8-17
8-22	Paving, etc., New York, N. Y.	8-17
8-22	Road improvements, Cleveland Heights, Ohio	8-17
8-22	Paving, etc., New York, N. Y.	8-17
8-22	Paving, etc., Marcellus, Mich	8-10
8-23	Roads, Hillsboro, Ohio	8-10
8-23	Paving, Wise, Va.	8-10
8-23	Road, Harrisburg, Pa.	8- 3
8-23	Paving, Boston, Mass.	8-17
8-23	Repaving, New York, N. Y.	8-17
8-23	Paving, etc., McConnellsville, Ohio	8-17
8-23	Paving, etc., New York	8-17
8-25	Paving, Indianapolis, Ind.	8-17
8-25	Road impvt., Cincinnati, O.	8-10
8-25	Street improvement, New York, N. Y.	8-17
8-26	Street improvement, New York, N. Y.	8-17
8-26	Pavement, etc., Newport, R. I.	8-10
8-26	Road improvement, Castalia, Ohio	8-17
8-28	Macadam road, New Philadelphia, Ohio	8-10
8-28	Repairing, etc., New York, N. Y.	8- 3
8-29	Street improvement, Caldwell, Ohio	8- 3
8-29	Macadamizing, Spokane, Wash.	8-17
8-30	Macadamizing, Charleston, Ill.	8-17
8-31	Roads, Winchester, Ind.	8-17
8-31	Road, Greenfield, Ind.	8- 3
9- 2	**Paving, Chile (Foreign)**	**7-27**
9- 2	Grading, Newport, R. I.	8-10
9- 2	Road, Greencastle, Ind.	8-17
9- 2	Road, Evansville, Ind.	8-17
9- 4	Roads, Rushville, Ind.	8-17
9- 4	Road, Decatur, Ind.	8-17
9- 4	Road, Huntington, Ind.	8-17
9- 5	Roads, Bloomfield, Ind.	8-17
9- 5	Road, Crawfordville, Ind.	8-17
9- 5	Roads, Logansport, Ind.	8-17
9- 5	Roads, Vincennes, Ind.	8-17
9- 5	Roads, Monticello, Ind.	8-17
9- 5*	Street improvement, Westfield, N. J.	8-17
9- 5	Paving, etc., Cleveland Heights, Ohio	8-10
9- 7*	Lock and dam, Louisvile, Ky.	8-10
9- 6	Paving, Lewiston, Idaho	8-17
9- 7	Roads, Wabash, Ind.	8-17
9- 7*	Paving, Johnson City, Tenn.	8-17
9-11	**Grading, New Philadelphia, Ohio**	**8-17**
9-15	**Road, Greenfield, Ind.**	**8-17**

Miscellaneous.

Bids close.		Noted in issue of
8-18	Earthworks, Vicksburg, Miss	8- 3
8-18	Drainage canal, Burlington, Wis.	7-27
8-18	Repairing wharf, Boston, Mass.	8-17
8-18	Piles, borings, etc., Philadelphia, Pa.	
8-19	Rock, Portland, Ore.	7-27
8-19	Feeder panels, Boston, Mass.	7-27
8-19	Monument, Vincennes, Ind.	7-20
8-20	Addition to dam, Norwood, Colo.	8-10
8-21	Levee work, New Orleans, La.	8-17
8-21	Ditches, Salt Lake City, Utah	8-17
8-21	Drainage district, Jefferson, Iowa	8-17
8-22	Maps, New York	8-17
8-22	Pipe, etc., Washington, D. C.	8-17
8-24	Spruce plank, New York	8-17
8-24	Shed, etc., New York	8-17
8-24	Concrete wall, Boston, Mass.	8-17
8-25	Refrigerating plant additions, etc., New York	8-17
8-26	Fire apparatus, Indianapolis, Ind.	8-17
8-21*	**Vacuum cleaning system, Los Angeles, Cal.**	**7-13**
8-21	Earthwork, Memphis, Tenn.	7-27
8-21	Lift and crane, Brazil (Foreign)	7-27
8-21	Houses, Ottawa, Ont.	8- 3
8-21	Dock extension, Brockville, Ont.	8- 3
8-21	Turning basin, Thorold, Ont.	8-10
8-21	Drainage district, Kankakee, Ill.	8-10
8-22	Drainage, Council Bluffs, Iowa	8- 3
8-22	Drain, Rockwell City, Iowa.	8-10
8-23	Wharf, Papineauville, Que.	8-10
8-23	Telegraph, etc., material, Australia (Foreign)	7-20
8-24	Ditch, St. Paul, Minn.	7-27
8-24*	Filling, Montgomery, Ala.	7-27
8-25	Fountain, etc., Santa Monico, Cal.	8-10
8-25	Floating crane, Brazil (Foreign)	7-27
8-26	Dredging, etc., New York, N. Y.	8- 3
8-26	Tower, etc., Ottawa, Ont.	8-10
8-28*	Tug, Duluth, Minn.	8- 3
8-28*	Breakwater, Detroit, Mich.	7-27
8-28	Steel plate girders, Panama (U. S. Poss.)	8-10
8-28	Comfort stations, etc., Columbus, Ohio	8-17
8-28	Tunnel street, New York	8-17
8-28	Wharf, Norway Bay, Que.	8-17
8-28	Wharf, Fort William, Que.	8-17
8-29	Melting cupola, Vallejo, Cal.	8- 3
8-29	Ditches, Brownsville, Tex.	8- 3
8-29*	Harbor work, Michigan City, Ind.	8- 3
8-30	Dikes, Philadelphia, Pa.	8-10
8-31	Dredging, Philadelphia, Pa.	8-10
8-31	**Drilling machines, Argentina (Foreign)**	**7-20**
8-31	Ditch, Mankato, Minn.	8-17
9- 1	**Submarine boats, Wash, D. C.**	**6-29 6-29**
9- 1*	Dredging and filling, Minneapolis, Minn.	7-27
9- 1*	Lockers, Chicago, Ill.	8-10
9- 1	Soil work. etc., Boston, Mass.	8-10
9- 1	Fence, posts, Portland, Ore.	8-17
9- 1	Ditches, La Marque, Tex.	8-17
9- 2	Concrete tunnel, Maumee, M.	8-10
9- 4	Levee work, New Orleans, La.	8-17
9- 5*	**Dam, Fort Worth, Tex.**	**7-20**
9- 5	Telephone material, Australia (Foreign,	7-27
9- 5*	Dredging, Richmond, Va.	8- 3
9- 5	Dredges, snagboat, Charleston, S. C.	8- 3
9- 5	Tugboats, Brazil (Foreign)	8-10
9- 5*	Softening plant, Muskogee, Okla.	8-10
9- 6	Dredge, Portland, Ore.	8- 3
9- 6	Additions to steamer house, Albany, N. Y.	8-17
9- 7	Monument, Princeton, Ind.	8-10
9- 8*	**Breakwater construction, Hawaii, (U. S. Poss.)**	**7-13**
9- 9	**Tramway, Spain (Foreign).**	**7-27**
9- 9*	Dredging, Wilmington, Del.	8-17
9-11*	Breakwater extension, Buffalo, N. Y.	8-17
9-11*	Dredging, Wilmington, Del.	8-17
9-11	Breakwater, Thessalon, Ont.	8-17
9-14*	Dredging, New York	8-17
9-15	Elevator plant, Washington, D. C.	8-17
9-15	Railway construction (Rys.), Ottawa, Ont.	8-17
9-15*	Mail handling apparatus, Washington, D. C.	8-10
9-15	Mechanical equip., Washington, D. C.	8-10
9-17*	Dredging, New York	8-17

Examinations.

Examination date.		Noted in issue of
9- 6	**Geologist, Washington, D. C.**	8-10
9- 6	**Agricultural Inspector, Washington, D. C.**	8-10
9- 6	**Laboratory Aid and Engineer, Washington, D. C.**	8-10

MISCELLANEOUS CONTRACTS.

(Continued from Page 83.)

Spruce Plank.—New York, N. Y.—Bids will be received by Arthur J. O'Keefe, Comr. of Bridges until 2 p. m., Aug. 24, for furnishing and delivering spruce plank to the Brooklyn Bridge.

Piles, Borings, etc.—Philadelphia, Pa.—Bids will be received until Aug. 18 by Joseph F. Hasskarl, Acting Dir. Dept. Wharves and Docks, for driving test piles in the Delaware River between South and Christian Sts., Callowhill St. and Fairmount Ave. and Penn St. and on site of the proposed pier at Dock St., making test borings, furnishing diver service for examination of piers and bulkheads along the Delaware River front during the year 1911.

***Dredging.**—Wilmington, Del.—Bids for dredging Salem River, N. J., will be received by Maj. R. R. Raymond Corps Engrs., U. S. A., Wilmington, until 11 a. m., Sept. 9.

***Dredging.**—Wilmington, Del.—Bids for dredging Raccoon Creek, N. J., will be received by Maj. R. R. Raymond, Corps Engrs., U. S. A., Wilmington, until 11 a. m., Sept. 11.

***Dredging.**—Wilmington, Del.—Bids for dredging in Cooper Creek, N. J., will be received by Maj. R. R. Raymond, Corps Engrs., U. S. A., Wilmington, until 11 a. m., Sept. 12.

Elevator Plant.—Washington, D. C.—Bids will be received by James Knox Taylor, Supervising Arch., Treasury Dept., Washington, D. C., until Sept. 15, for an electric elevator plant in the U. S. post-office at Washington. D. H. Burnham & Co., of Chicago, Ill., are Archs.

Pipe, Etc.—Washington, D. C.—Bids will be received until Aug. 22 by the Bureau of Supplies and Accounts, Navy Dept., Washington, for furnishing at the navy yards and naval stations supplies as follows: Mare Island, Cal., Schedule 3790, c.-i. pipe, etc., 17,500 ft. w.-i. pipe; miscellaneous terra cotta pipe; 3792, 3,600 lbs. steel bolts and nuts. Schedule 3793, 6,000 lbs. billet steel; 4,500 lbs. galvanized corrugated sheet steel; miscellaneous black, w.-i. or steel pipe. Schedule 3796, 129 composition gate valves; miscellaneous gate valves; miscellaneous composition valves. Schedule 3797, 5,900 lbs. rod brass; 2,200 lbs. sheet brass; 35,000 lbs. manganese bronze. Puget Sound, Wash., Schedule 3793, 48,000 lbs. black medium plate steel. Schedule 3797, 6,000 lbs. Class A bar steel. Brooklyn, N. Y., Schedule 3804, extending pneumatic tube system; 3807, a 12-HP. gasoline engine. Boston, Mass., Schedule 3706, a cutting-off machine. Philadelphia, Pa., Schedule 3805, a cutting-off saw. Norfolk, Va., Schedule 3823, 192,500 lbs. medium plate steel. Applications for proposals should designate the schedules desired by number.

Dredge.—Charleston, S. C.—Bids were received as follows on Aug. 12 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for 12-in. electrically-driven suction dredge, Navy Yard, Charleston, Specification No. 1808; The Norbom Engineering Co., 312 Denckla Bldg., Philadelphia, Pa., $37,750; Alex Miller & Bro., Inc., foot of Norris St., Jersey City, N. J.; $34,900, $50 extra for slip safety cut motor coupling, $300 extra for 2-speed sliding shaft cutter gear; Ellicott Machine Co., Bush & Severn Sts., Baltimore, Md., $43,600.

Levee Work.—New Orleans, La.—Bids will be received by the State, at the office of the Board of State Engineers, Rooms 213-215 New Orleans Court Bldg., New Orleans, until noon, Aug. 21, for the construction of the following levee work on the Mississippi River, in Louisiana: In the Fifth Louisiana Levee District: Delta to Martin Levee, Madison Parish, raising and enlarging; contents, about 105,000 cu. yds.; Martin Levee, Madison Parish, raising and enlarging, about 43,000 cu. yds.; Biggs Levee, Madison Parish, raising and enlarging, about 90,000 cu. yds.; Reid Levee, Madison Parish, raising and enlarging, about 75,000 cu. yds.; Hodges Levee, Madison Parish, raising and enlarging, about 55,000 cu. yds.; Diamond Island Levee, Madison Parish, enlarging about 90,000 cu. yds.; Kempe Levee, Tensas Parish, raising and enlarging, about 40,000 cu. yds. In the Lafourche Levee District: Parish line to Belle Chasse Levee, Plaquemines Parish, right bank, raising and enlarging, contents, about 100,000 cu. yds; in the Grand Prairie Levee District: Church to Pinaud Levee, Plaquemines Parish, left bank, raising and enlarging and revetment; earthworth, about 25,000 cu. yds.; length of revetment, about 2,500 ft.; Waltzer Levee, Plaquemines Parish, left bank, new levee, about 25,000 cu. yds.; Point Pleasant Levee, Plaquemines Parish, left bank, enlargement and revetment, earthwork, about 10,000 cu. yds.; length of revetment, about 7,500 ft. Other information as to location, character of work, terms of payment, regulations governing manner of submitting proposals, signing of contracts, etc., also blank forms for proposals, may be obtained at the office of the Board of State Engineers. Frank M. Kerr is Ch. State Engr.

Levees.—New Orleans, La.—Bids for constructing new levees were received on July 26 by the State Board of Engineers. Contracts, it is reported, have been awarded as follows: To DAMERON & WHITE, for the Belair Levee work, about 50,000 cu. yds., at 13 cts. per cu. yd., and to CLARK & HELGASON BROS., for the new Levert Levee, about 250,000 cu. yds. at 14.4 cts. per cu. yd.

Levee Work.—New Orleans, La.—Bids will be received until 11 a. m., Sept. 4, by Maj. H. Burgess, Corps Engineers, U. S. A., Metropolitan Bank Bldg., New Orleans, for constructing about 527,000 cu. yds. of earthwork in the Lower Tensas and Lafourche Levee Districts.

Earthwork.—Memphis, Tenn.—Bids were received on Aug. 1 by Maj. Clark S. Smith, Corps Engrs., U. S. A., Memphis, for constructing about 250,000 cu. yds. of levee work in Lower St. Francis Levee District. Leonard & Bush, of Memphis, Tenn., were the lowest bidders, at 14.9 cts. per cu. yd.

Lumber.—Memphis, Tenn.—Bids were received on July 28, by the Mississippi River Commission, First and Second Districts, U. S. Engineer Office, Memphis, as follows for furnishing about 691,624 ft. B. M. of yellow pine and oak lumber: G. Elias & Bro., Buffalo, N. Y., $18,600; Acme Lumber Co., Ltd., New Orleans, La., $19,154; Watkins-Gray Lumber Co., Hattiesburg, Miss., $19,211; P. R. Friedel & Co., Memphis, Tenn., $15,257; Frost-Johnson Lumber Co., St. Louis, Mo., $17,089; R. A. & J. J. Williams Co., Philadelphia, Pa., $17,875; Mercantile Lumber & Supply Co., Kansas City, Mo., $16,170; Lacey Lumber Co., Carriere, Miss., $16,214; W. C. Rodgers Lumber Co., Hattiesburg, $17,144; Henry O'Neil Lumber & Land Co., St. Louis, $17,124; The McLeod Lumber Co., Hattiesburg, $15,799; Robinson Lumber, Veneer & Box Co., New Orleans, $16,400; Central Lumber Co., Memphis, $15,270; Lee Lumber Co., Memphis, $14,947 (recommended for acceptance).

Comfort Station, Etc.—Columbus, Ohio.—H. S. Holton, Dir. Pub. Ser., will receive bids until Aug. 28 for the construction of a superintendent's home and comfort station at Goodale Park.

***Improving Channels.**—Des Moines, Iowa.—Bids were received on Aug. 2 by the City Council for improving the Des Moines and Raccoon River Channel: (a) J. C. Mardis, Des Moines, (b) Callahan Bros., Munn & Reis, Kansas City, Kan.; (c) Miller Hey Construction Co., Waterloo, Iowa; (d) Callahan Bros., Kansas City, Kan.; (e) B. S. Hutchins, Des Moines; (f) J. W. Turner Improvement Co., Des Moines; (g) George W. King Construction Co., Des Moines; (h) O. P. Herrick, Des Moines; (i) R. A. Elzy, Marshalltown; (j) J. L. Mullen, Kansas City, Kan.: Section 1, for the construction of a 350-ft. channel for Raccoon River, the extension of the West Des Moines sewer outlet: Channel, 475,000 cu. yds.: (a) 35 cts., (i) 30 cts.; sewer outlet, 120 lin. ft.: (a) $12.50, (i) $25; rip-rap, 3,515 lin. ft.: (a) $6.17, (i) $3.50; mattress, 19,600 sq. ft.: (a) 10 cts., (i) 30 cts.; total, (a) $170,022, (i) $163,682. That portion of Section 1, including bank protection in East Des Moines between Elm St. and East Sixth St.: Earth levee, 75,000 cu. yds., (a) 35 cts., (i) 60 cts., (h) 30 cts.; willow facing, 30,000 sq. ft., (a) 32 cts., (i) 75 cts., (h) 49 cts.; lumber, 27.52 M ft., (a) $45, (i) $60, (h) $50; piles, 5,600 lin. ft., (a) 40 cts., (i) $1, (h) 48 cts.; steel cable, 19,250 lin. ft., (a) 4 cts., (i) 5 cts., (h) 5 cts.; totals, (a) $40,098, (i) $75,714, (h) $42,226. That portion of Section 1, including excavation for narrow channel: Narrow channel, 70,000 cu yds., (a) 35 cts., (i) 17.5 cts., (b) 19.75 cts., (d) 11.95 cts., (h) 16.4 cts., (e) 24.5 cts., (f) 37 cts., (j) 17 cts.; wing dam piling, 600 ft., (a) 50 cts., (i) $1, (h) 70 cts., (e) 45 cts., (f) $1, (j) 60 cts.; mattress, 750 cu. yds., (a) 95 cts., (i) $3, (h) $3, (e) $3.10, (f) $2, (j) $2; stone, 600 cu. yds., (a) $3, (i) $3.50, (h) $3.25, (e) $3.10, (f) $3.50, (j) $3; totals, (a) $27,312, (i) $17,450, (h) $16,100, (e) $21,605, (f) $30,100. Section 2, including stone rip-rap above Center St. dam and earth levee above Center St. dam: Stone rip-rap, 1,650 lin. ft., (a) $6.37, (i) $6, (h) $5.60, (f) $6.93; earth levee, 24,000 cu. yds., (a) 35 cts., (i) 65 cts., (h) 40 cts., (f) 50 cts.; totals, (a) $18,910, (i) $25,500, (h) $18,840, (f) $23,418. That portion of Section 2, including 775 lin. ft. of concrete wall: Concrete wall, 775 lin. ft., (a) $12.55, (i) $12.75, (c) $10.23, (d) $16.44, (f) $19.88. A portion of Section 2, for removing piles and cofferdams: Removing piles, 700 (a) $1, (i) $3, (e) $1.95; removing cofferdams, (a) $3, (i) $5, (e) $1.50; totals, (a) $3,700, (i) $7,100, (e) $2,865. Section 3, earth levee on north bank of Des Moines River, from East Sixth St. to East 14th St., and on East 14th and Maury Sts.: (a) 50 cts. per yd., $30,230; (i) 65 cts. per yd., $30,200; (h) 28.5 cts. per yd., $17,231. Section 4, 125,000 cu. yds. of excavation for a new channel for Des Moines River., (a) 40 cts. per cu. yd., $50,000, (i) 14 cts., $17,000; (b) 19.75 cts., $24,687; (d) 11.95 cts., $14,937; (h) 16.4 cts., $20,500; (e) 19.5 cts., $24,375; (f) 37 cts., $46,250; (g) 33.4 cts., $41,750; (j) 17 cts., $21,250.

Drainage District.—Jefferson, Iowa.—Bids will be received until 1 p. m., Aug. 21, by the Green County Board of Supervisors, Jefferson, for the necessary labor and material for the construction of Drainage District No. 53, Green County. E. S. Gose is Audr.

✚Coal Docks.—Duluth, Minn.—The contract for the foundation for the coal docks in the Twin Ports has been awarded by the Carnegie Coal Co. to WHITNEY BROS., of Superior, Wis., at about $100,000.

Ditch.—Mankato, Minn.—Edgar Weaver, County Audr., will receive bids until 2 p. m., Aug. 31, for the construction of Ditch No. 27. Estimated cost, $17,600.

Ditches.—La Marque, Tex.—Bids will be received until Sept. 1 by B. F. Ayers, La Marque, for constructing ditches and laterals in Drainage District No. 2, requiring 210,012 cu. yds. excavation.

***Stone Dike.**—Galveston, Tex.—Bids were received as follows on Aug. 4 by Maj. G. P. Howell, Corps Engrs., U. S. A., Galveston, for constructing a stone dike in St. Joseph Island, Aransas Pass, Tex.: (a) Charles Clarke & Co., Galveston; (b) David M. Picton, Galveston. Stone dike with no care of quarry refuse and clay filling, including rip-rap, properly placed in the work, and 8,860 tons of quarry refuse and clay filling properly placed in the trench: (a) $3.89 per ton for $46,750 tons of rip-rap; total $181,881, and $3.89 per ton for quarry refuse, etc., total, $34,465; (b) $3.70 per ton for 46,382 tons of rip-rap; total, $171,613; stone dike with care of refuse and clay filling: (b) 41,988 tons of rip-rap properly placed in trench, $3,70 per ton, $155,356; 8,788 tons of quarry refuse, etc., $3.70, $32,516; 4,394 tons quarry refuse in core, $3.70, $16,251; totals on whole work, (a) $216,346; (b) $204,129, and $204,129.

Ditches.—Salt Lake City, Utah.—Bids will be received until Aug. 21 by the Board of Public Works, H. G. McMillan, Chn., for constructing about four miles of ditches, including grading and road bridges.

Dredging, Cofferdam, etc.—Seattle, Wash.—Bids were received on July 31 by Maj. J. B. Cavanaugh, Corps Engrs., U. S. A., for dredging, construction of cofferdam, and excavation of lock pit, at the entrance to Salmon Bay, Wash.: Standard American Dredging Co., San Francisco, Cal., $180,090. Puget Sound Bridge & Dredging Co., Seattle, $157,805; Stilwell Bros., Inc., Seattle, $168,790; Pearson Construction Co., Seattle, $193,190; International Dredging Co., Seattle, $183,304; Holt & J[illegible]ry, eSattle, $215,450.

Fence, Posts.—Portland, Ore.—Bids will be received by the Water Board until 4 p. m., Sept. 1, for furnishing and erecting at reservoirs Nos. 5 and 6, Mount Tabor, Portland, 5,000 lin. ft. of iron fence, and 54 iron posts, according to specifications and form of proposal which can be obtained at the office of D. D. Clarke, Engr., Bd. Frank T. Dodge is Supt.

Wharf.—Norway Bay, Que.—Bids will be received until Aug. 28, by R. C. Desrochers, Secy. Pub. Wks. Dept. Ottawa, Ont., for the construction of a public wharf here.

Wharf.—Fort William, Que.—Bids will be received until Aug. 28, by R. C. Desrachers, Secy. Pub. Wks. Dept. Ottawa, Ont., for the construction of a public wharf.

Railway Construction.—Ottawa, Ont.—See item under Railways, Nova Scotia.

Breakwater.—Thessalon, Ont.—Bids will be received until Sept. 11, by R. C. Desrochers, Secy. Pub. Wks. Dept., Ottawa, Ont., for the construction of a breakwater at Thessalon, District of Algoma, Ont. Plans, specifications and forms of contract can be seen and forms of proposal obtained at the Department and at the offices of J. G. Sing, District Engr., Confederation Life Bldg., Toronto, H. J. Lamb, District Engr. London, Ont., and on application to the Postmaster, at Thessalon, Ont.

For other Proposal Advertisements see pages

57, 58, 60, 61, 62

of Advertisements and Construction News, page 86

CREOSOTED WOOD BLOCK FLOOR.

White Plains, N. Y.

NOTICE IS HEREBY GIVEN that sealed proposals will be received for the laying of a creosoted wood block floor on the Van Cortlandt bridge over the Croton River between the towns of Ossining and Cortlandt, by the Board of Supervisors at the Court House in White Plains, N. Y., until 10 a. m., Sept. 11, 1911 and then opened by the Chairman of the Board of Supervisors at the regular monthly meeting.

All work is to be done in strict accordance with the plans and specifications relating thereto as approved by the County Superintendent and adopted by the Board of Supervisors which plans are now on file in the office of the Clerk of the Board. Every proposal submitted for the work must be in writing, signed by the bidder and must be accompanied by a money deposit in the form of cash, draft or certified check equal to 10 per cent. of the amount of the proposal and made payable to the Treasurer of Westchester County. Said deposit is to be considered as a guarantee that the bidder will enter into a contract if the work is awarded to him, and in case he refuses to do so within the specified time will be forfeited to and be retained by the County of Westchester as liquidated damages. The said deposit to be returned to the bidder as soon as he has entered into a contract with the county and furnished satisfactory bond as required. Deposits of unsuccessful bidders will be returned as soon as the contract has been awarded. Any proposal to be considered by the Board of Supervisors must be upon the form attached to and forming part of the specifications for this work which may be procured at the office of the Clerk of the Board of Supervisors. Each proposal submitted should be sealed in a plain envelope marked "Proposal for Creosoted Wood Block Floor on the Van Cortlandt Bridge" and addressed to the Board of Supervisors.

The Board of Supervisors reserves the right to reject any or all proposals and to accept whatever proposal may in its judgment be most favorable to the County of Westchester.

By order of the Board of Supervisors.
EDWARD A. FORSYTH,
Chairman Board of Supervisors.
HARVEY B. GREEN,
Clerk to the Board of Supervisors.
White Plains, N. Y.

CATSKILL AQUEDUCT.

CONTRACT 49.

New York, N. Y.

Sealed bids will be received by the Board of Water Supply, at its offices, Seventh floor, 165 Broadway, New York, until 11 a. m., on Tuesday, September 5, 1911 for Contract 49 for the construction of two reinforced concrete arch bridges, with spans 67 feet 6 inches and 200 feet, respectively, and four reinforced concrete girder bridges having spans of 25 feet and 39 feet, with their approaches, in connection with the new system of highways around Ashokan reservoir. The work is situated about 15 miles west of the city of Kingston, in the town of Olive, Ulster County, New York.

At the above place and time the bids will be publicly opened and read. Pamphlets containing information for bidders, and pamphlets of contract drawings can be obtained at the above address by depositing the sum of ten dollars ($10.) for each pamphlet. For further particulars see Information for Bidders.

CHARLES STRAUSS,
President,
CHARLES N. CHADWICK,
JOHN F. GALVIN,
Commissioners of the Board of Water Supply.
JOSEPH P MORRISSEY,
Secretary.

CAST IRON PIPE.

Charlotte, N. C.

Sealed proposals will be received on August 24, 1911, by the Board of Water Commissioners of the City of Charlotte, N. C., for furnishing about 5,500 tons of 24-inch cast-iron bell and spigot water pipe and about 60 tons of specials. Alternate bids will be considered for wood pipe for about four miles of the line. Certified check for $5,000.00 must accompany all bids.

Specifications, form of proposal and contract will be on file at the office of the Superintendent of Water-works and at the office of the Engineer in Charlotte, N. C. The right is reserved to reject any or all bids.

BOARD OF WATER COMMISSIONERS.
Engineer, Gilbert C. White.

WATER TUBE BOILERS.

Sealed proposals will be received by Kansas City, Mo., until 2 o'clock p. m., of August 30, 1911, for the installation of batteries of water-tube boilers at both the Turkey Creek and Quindaro Pumping Stations of the water-works, in accordance with plans and specifications on file with the Board of Fire and Water Commissioners.

E. B. HARRINGTON,
Secretary.

U. S. ENGINEER OFFICE, Wilmington, Del., Aug. 12, 1911.—Sealed proposals for dredging in Cooper Creek, N. J., will be received here until 11 a. m., Sept. 12, 1911, and then publicly opened. Information on application. R. R. RAYMOND, Maj. Engrs.

DITCHES AND LATERALS.

Sealed proposals in duplicate for excavating 210,012 cubic yards of material will be received until four o'clock P. M., September 1, 1911, by B. F. Ayers, Lamarque, Texas, and publicly opened at eleven o'clock A. M., September 2, 1911, at the office of A. L. Bogatto, Lamarque, Texas.

Information furnished on application.

BRIDGES.

Sealed proposals in duplicate for constructing twenty-five to forty small timber bridges, will be received until four o'clock P. M., September 1, 1911, by B. F. Ayers, Lamarque, Texas, and publicly opened at eleven o'clock A. M., September 2, 1911, at the office of A. L. Bogatto, Lamarque, Texas.

Information furnished on application.

GALVESTON COUNTY DRAINAGE DISTRICT NO. 2.
THE BOARD OF COMMISSIONERS:
B. F. Ayers, Chairman, Lamarque, Tex.
Paul Naschke, Secy., Lamarque, Tex.
A. L. Bogatto, Lamarque, Tex.
E. N. SANCTUARY, Engineer.
Galveston, Texas.

WOODEN PROTECTION CRIB.

Cleveland, O.

Sealed bids will be received at the office of the Director of Public Service, 104 City Hall, Cleveland, Ohio, until 12 o'clock noon, August 31, 1911, for furnishing all materials for and constructing and placing in position in Lake Erie a wooden protection crib for the Water Department of the City of Cleveland. The following is an approximate estimate of the principal quantities:

Pine timber, 870,000 ft. B. M.
Hemlock timber, 322,000 ft. B. M.
Oak, 42,000 ft. B. M.
Pine lumber, rough, 17,000 ft. B. M.
Pine lumber, planed and matched 49,000 ft. B. M.
Steel plates, angles, beams, rivets, etc., 88,600 lbs.
Drift bolts, 106,000 lbs.
Screw bolts 97,000 lbs.
Stone filling, 1,905 cords.
Rip-rap stone, 5,000 tons.
Ladders, hand rails and miscellaneous iron.

Each bid must be made in accordance with the specifications, which may be obtained of the Superintendent of the Water Department.

No proposal will be entertained unless made on the blanks furnished by the Superintendent of the Water Department, and delivered at the office of the Director of Public Service previous to 12 o'clock noon on the day specified.

A. B. LEA,
Director of Public Service.
IRA O. HOFFMAN,
Secretary.

Plans and specifications for this work are on file at the office of Engineering News, New York.

STREET IMPROVEMENTS.

Westfield, N. J.

Sealed proposals will be received by the Council of the Town of Westfield, N. J., at the Town Hall on Tuesday, Sept. 5, 1911, at 8 p. m., for improving certain streets in said Town.

The Engineer's approximate estimate of the work to be done is as follows:

600 cu. yds. of excavation.
5,500 sq. yds. of 6 in. macadam.
3,100 sq. yds. of 4 in. macadam.
1,080 sq. yds. of old macadam resurfaced.
2,316 lin. ft. of concrete curb and gutter.
40 lin. ft. of Culvert.

Each proposal must be accompanied by a certified check for $500.00 drawn to the order of the Treasurer of the Town of Westfield, N. J., signed by the bidder and without condition or endorsement of any kind as an evidence of good faith and the successful bidder will be required to furnish a bond of $5,000.00 with sureties acceptable to the Council to guarantee the faithful performance of the contract.

Forms of proposals, contract and specifications may be obtained at the office of A. W. Vars, Town Engineer, 121 Prospect St., Westfield, N. J.

The Council reserves the right to reject any or all bids.

CHARLES CLARK,
Aug. 7, 1911. Town Clerk.

PENN STREET VIADUCT.

Reading, Berks Co., Pa.

Sealed proposals for building a reinforced concrete viaduct over the Schuylkill River at the foot of Penn St., Reading, Pa., will be received by the County, at the offices of County Controller A. L. Rhoads, Court House, Reading, Pa., until 10 a. m. Thursday, September 14, 1911, at which time they will be opened in the offices of the County Commissioners.

The structure will be 1,350.07 feet long, 80 feet in width, and will be composed of 9-48'-0" Arches, 5-110'-0" arches and retaining wall.

Bids must be made on the blank proposal contained in the specification which with the plans will be furnished by the County Commissioners upon application to Chas. F. Sanders, County Engineer, Court House, Reading Pa. and the payment of Two Hundred ($200.00) dollars to the County Commissioners, which amount will be refunded upon return of the same.

Bids must be accompanied by a certified check for the sum of Twenty Thousand ($20,000.00) dollars payable to A. L. Rhoads, County Controller.

The successful bidder will be required to give a bond in the sum of sixty (60) per cent. of the contract price.

The Board of Commissioners reserve the right to reject any or all bids.

By order of the Board of County Commissioners.

A. L. RHOADS,
County Controller.

PUMPING ENGINES.

Commonwealth of Massachusetts—Metropolitan Water and Sewerage Board—Sealed proposals will be received at the office of the Metropolitan Water and Sewerage Board, 1 Ashburton Place, Boston, Mass., until 2.30 o'clock p. m., of Friday, September 1, 1911, for two pumping engines, each having a capacity of three million U. S. gallons in 24 hours, to be installed in a pumping station at Hyde Park, Mass. Pamphlets containing further information for bidders, forms of proposal, contract and specifications may be obtained at the office of the Chief Engineer of Water Works, 1 Ashburton Place. The printed forms must be used in making proposals. The Board reserves the right to reject any or all bids or to accept the proposal deemed best for the Commonwealth. HENRY H. SPRAGUE, Chairman; HENRY P. WALCOTT, JAMES A. BAILEY, JR., Metropolitan Water and Sewerage Board. DEXTER BRACKETT, Chief Engineer of Water Works. WILLIAM N. DAVENPORT, Secretary. Boston, August 15, 1911.

PAVING.

Middletown, N. Y.

Sealed proposals for grading, resetting curb and paving with No. 1 Mack Repressed Block, size 3" × 4" × 9", on Academy Avenue, in the City of Middletown, N. Y., will be received at the office of the Commissioner of Public Works, Room 4, Times Building, Middletown, N. Y., until 12 o'clock, noon, on the 1st day of September, A. D., 1911.

Each proposal to consist approximately of 8,460 square yards of pavement.

All proposals must be addressed to J. A. Korschen, Commissioner of Public Works, Middletown, N. Y.

Each proposal must be accompanied with a certified check in the sum of five per cent. of the contract price made payable to the "Mayor of the City of Middletown, N. Y."

Specifications and blank forms of proposals can be obtained and plans can be seen at the office of the Commissioner of Public Works. The right is reserved to reject any and all bids.

JOHN A. KORSCHEN,
Commissioner of Public Works.

SEWER.

Wapello, Iowa.

Sealed proposals will be received at the office of the City Recorder until 4 o'clock p. m., Aug. 31, 1911, for the construction of a sewer in several streets. All bids must be accompanied with a certified check for sum of seven hundred and fifty dollars.

JNO. G. KECK,
City Recorder.

WATER PIPE.

Fort Worth, Texas, Aug. 9, 1911.

Sealed proposals will be received by the Board of Commissioners of Polytechnic at the office of the mayor, Station "A" Fort Worth, until 2 p. m., September 1, 1911, for the following waterworks material:

1. One steel water tower and tank, capacity 100,000 gallons; height from foot of tower to top of tank 125 feet, to be erected complete in the city of Polytechnic, including foundation and inlet pipe Complete builders' specifications and strain sheet must accompany each bid.
2. 2,100 feet 8 inch cast-iron pipe, weighing about 47½ pounds per foot; 9,700 feet of six inch cast-iron pipe, weighing about 33.3 lbs. per foot; 3,600 4 inch cast-iron pipe, weighing about 21.7 lbs. per foot, and approximately, 4½ tons special castings, delivered f. o. b. cars Fort Worth.

Separate bids for sections 1 & 2 will be considered.

Certified check for 5% of the price bid will be required from each bidder. For specifications and bidding blanks address the undersigned.

The Board of Commissioners reserves the right to accept or reject any or all bids.

(Signed) J. R. THOMAS,
Mayor.
JOHN MEAD, Engineer.

REBUILDING CAPITOL.

STATE OF NEW YORK.

Albany, N. Y.

Sealed proposals for certain labor and materials required in connection with the restoration and repairs of the State Capitol at Albany, N. Y., will be received by Franklin B. Ware, State Architect, at his office in the Capitol, Albany, N. Y., until 12 o'clock noon, August 29, 1911, when they will be opened and read publicly.

Proposals are required as follows:

Proposal A. For structural steel work.
Proposal B. For slate and tile roofing, skylight and sheet metal work.
Proposal C. For all of the work included in both of Proposals A and B.

Proposals shall be accompanied by a certified check in the sum of five per cent. of the amount of the bid; and the Contractor to whom the award is made will be required to furnish surety company bond in the sum of 50 per cent. of the amount of the contract, within thirty days after notice of award of contract and in accordance with the terms of specification No. 1467. The right is reserved to reject any or all bids.

Drawings and specifications may be consulted and blank forms of proposal obtained at the office of the State Architect after August 17, 1911. On and after this date complete sets of plans and specifications will be furnished to prospective bidders upon reasonable notice to and in the discretion of the State Architect, Franklin B. Ware, Albany, N. Y.

Application for plans and specifications should be made at once.

WIDENING MASONRY BRIDGE.

White Plains, N. Y.

NOTICE IS HEREBY GIVEN that sealed proposals will be received for the widening of masonry bridge over the Byram River at Portchester, N. Y., by the Board of Supervisors at the Court House in White Plains, N. Y., until 10 a. m., September 11, 1911 and then opened by the Chairman of the Board of Supervisors at the regular monthly meeting.

All work is to be done in strict accordance with the plans and specifications relating thereto as approved by the County Superintendent and adopted by the Board of Supervisors which plans are now on file in the office of the Clerk of the Board. Every proposal submitted for the work must be in writing, signed by the bidder and must be accompanied by a money deposit in the form of cash, draft or certified check equal to 10 per cent. of the amount of the proposal and made payable to the Treasurer of Westchester County. Said deposit is to be considered as a guarantee that the bidder will enter into a contract if the work is awarded to him, and in case he refuses to do so within the specified time will be forfeited to and be retained by the County of Westchester as liquidated damages. The said deposit to be returned to the bidder as soon as he has entered into a contract with the county and furnished satisfactory bond as required. Deposits of unsuccessful bidders will be returned as soon as the contract has been awarded. Any proposal to be considered by the Board of Supervisors must be upon the form attached to and forming part of the specifications for this work which may be procured at the office of the Clerk of the Board of Supervisors. Each proposal submitted should be sealed in a plain envelope marked "Proposal for Widening Masonry Bridge over the Byram River," and addressed to the Board of Supervisors.

The Board of Supervisors reserves the right to reject any or all proposals and to accept whatever proposal may in its judgment be most favorable to the County of Westchester.

By order of the Board of Supervisors.
EDWARD A. FORSYTH,
Chairman Board of Supervisors.
HARVEY B. GREEN,
Clerk to the Board of Supervisors.
White Plains, N. Y.

For Additional
PROPOSAL
Advertisements
See page 87.

Situations Open

(Or Vacant)

WANTED—Engineer capable of supervising dwelling house construction, laying out of roads and all improvements, incidental to a Suburban Development; experience with hollow tile construction, essential. Apply giving age experience and salary. Address "E. B. 7," Engineering News, New York. 7-1t

TWO INSPECTORS wanted for reinforced concrete construction and for acid proof floors. G. L. Knight, Edison Electric Illuminating Company, 360 Pearl Street, Brooklyn, N. Y. 7-1t

AN ENGINEERING COLLEGE of high standing located in the East, requires the services of a young man of exceptional ability for a position as instructor in Electrical Engineering. The man must be a graduate of the Electrical Engineering course of an institution of highest standing and should have at least two years' experience with an electric railway company or with a construction company handling railway work. Salary for the first college year $900 to $1,100, depending upon the qualifications of the applicant. Persons interested should write without delay, giving full particulars. Address "F. B. 7," Engineering News, New York. 7-tf

For Sale

Contractor's Equipment and Tools

ALMOST YOUR OWN PRICE.

LOOK AT THIS LIST.

One 26 ton Locomotive—Boston & Maine Switcher type—1,500 Gals. Water.
6,000 lbs. Coal—separate tender.
18-4 yd. Dump cars—standard gage.
One 16 H.P. upright Boiler.
One No. 3 Ransome Concrete Mixer with Engine.
One Lot Track Tools.
One Lot Blacksmith Tools.
One Lot Pipe Fittings.
One Lot Chains (Misclns sizes-lengths).
One Steel Tank 1,000 gals.
4-Steam Pumps, 2 Snow, 1 Dean, 1 Worth. duplex.
1—12 inch Foot Valve.
1—3 Sheave steel block—miscelns blocks and tackle.
1 20 foot Breast Derrick.
1 Air Wood Boring Machine (new).

This equipment is stored in Jersey City. Pacific Ave. Station, and is For Sale by Jas. S. Braden, 26 Cortlandt St., N. Y., Phone 2809 Cortlandt, or the Fidelity Construction Co., Majestic Bldg., Detroit, Mich. 7-3t